

**Biological Data from an Experimental Fishery at
Resolution Bay, Great Slave Lake, Northwest Territories
June – August 1996**

D.B. Stewart¹, G. Low, N. Dewsbury ^{C.J. Read} and A.C. Day

Central and Arctic Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

¹Arctic Biological Consultants
Box 68, St. Norbert Postal Station
95 Turnbull Drive
Winnipeg, MB R3V 1L5

1999

**Canadian Data Report of Fisheries
and Aquatic Sciences 1049**



Fisheries
and Oceans

Pêches
et Océans

Canada¹¹

Canadian Data Report of Fisheries and Aquatic Sciences

Data reports provide a medium for filing and archiving data compilation where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of data reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries and aquatic sciences.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Numbers 1-25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26-160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was introduced with the publication of report number 161.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out-of-stock reports will be supplied for a fee by commercial agents.

Rapport statistique canadien des sciences halieutiques et aquatiques

Les rapports statistiques servent à archiver les compilations de données pour les quelles il y a peu ou point d'analyse. Ces compilations auront d'ordinaire été préparées à l'appui d'autres publications ou rapports. Les sujets des rapports statistiques reflètent la vaste gamme des intérêts et des politiques du ministère des Pêches et des Océans, c'est-à-dire les sciences halieutiques et aquatiques.

Les rapports statistiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statistiques sont résumés dans la revue *Resumes des sciences aquatiques et halieutiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les numéros 1 à 25 de cette série ont été publiés à titre de relevés statistiques, Services des pêches et de la mer. Les numéros 26 à 160 ont été publiés à titre de rapports statistiques du Service des pêches et de la mer, ministère des Pêches et de l'Environnement. Le nom actuel de la série a été établi lors de la parution du numéro 161.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Canadian Data Report of
Fisheries and Aquatic Sciences 1049

1999

BIOLOGICAL DATA FROM AN EXPERIMENTAL FISHERY AT RESOLUTION BAY,
GREAT SLAVE LAKE, NORTHWEST TERRITORIES,
JUNE - AUGUST 1996

by

D.B. Stewart¹, G. Low, N. Dewsbury, C.J. Read and A.C. Day

Central and Arctic Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

¹ Arctic Biological Consultants, Box 68, St. Norbert Postal Station, 95 Turnbull Drive, Winnipeg, MB, R3V 1L5.

PREFACE

This report was prepared under contract for the Department of Fisheries and Oceans, Central and Arctic Region, 501 University Crescent, Winnipeg, Manitoba, R3T 2N6. The Scientific Authority for this contract was A. C. Day of the Resource Management Section.

© Minister of Public Works and Government Services Canada 1999

Cat. no. Fs 97-13/1049E

ISSN 0706-6465

Correct citation for this report is:

Stewart, D.B., G. Low, N. Dewsbury, C.J. Read and A.C. Day. 1999. Biological data from an experimental fishery at Resolution Bay, Great Slave Lake, Northwest Territories, June - August 1996. Can. Data Rep. Fish. Aquat. Sci. 1049: vi + 91 p.

TABLE OF CONTENTS

	<u>Page</u>
ABSTRACT/RÉSUMÉ	vi
INTRODUCTION	1
MATERIALS AND METHODS	1
Catch per unit effort	2
Condition	2
Age determination	2
Contaminants analyses	2
Fish health	2
RESULTS	2
ACKNOWLEDGMENTS	3
REFERENCES	3

LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
1 Map of southwestern Great Slave Lake, NT, showing the administrative areas (IE to VI) and areas closed to commercial fishing ...	4
2 Locations of sampling sites in Resolution Bay, Great Slave Lake, NT	5
3 Length-frequency distributions of burbot caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	6
4 Length-frequency distributions of lake whitefish caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	7
5 Length-frequency distributions of longnose sucker caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996 ...	8
6 Length-frequency distribution of northern pike caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	9
7 Age-frequency distribution of burbot caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	9

Figure

8 Age-frequency distribution of lake whitefish caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	10
9 Age-frequency distribution of longnose sucker caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996 ..	11
10 Age-frequency distribution of northern pike caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996	12

LIST OF TABLES

<u>Table</u>	<u>Page</u>
1 Summary by sample site, mesh size and species of gillnet set data from Resolution Bay, Great Slave Lake, NT, June - August 1996	13
2 Summary by sampling site, species, and gillnet mesh size of the number of fish caught per unit of sampling effort at Resolution Bay, Great Slave Lake, NT, June - August 1996	18
3 Summary by sampling site, species, and gillnet mesh size of the round weight of fish caught per unit of sampling effort at Resolution Bay, Great Slave Lake, NT, June - August 1996	19
Biological data by length interval for burbot taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:	
4 All meshes combined	20
5 89 mm mesh	21
6 114 mm mesh	22
7 133 mm mesh	23
8 Biological data by length interval for cisco taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	24

<u>Table</u>	<u>Page</u>	<u>Table</u>	<u>Page</u>
9 Biological data by length interval for goldeye taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	25	28 Biological data by age class for goldeye taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	38
10 Biological data by length interval for inconnu taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	25	29 Biological data by age class for inconnu taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	38
Biological data by length interval for lake whitefish taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:		Biological data by age class for lake whitefish taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:	
11 All meshes combined	26	30 All meshes combined	39
12 89 mm mesh	27	31 89 mm mesh	40
13 114 mm mesh	28	32 114 mm mesh	41
14 133 mm mesh	29	33 133 mm mesh	42
Biological data by length interval for longnose sucker taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:		Biological data by age class for longnose sucker taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:	
15 All meshes combined	30	34 All meshes combined	43
16 89 mm mesh	31	35 89 mm mesh	44
17 114 mm mesh	32	36 114 mm mesh	45
18 133 mm mesh	33	37 133 mm mesh	46
Biological data by length interval for northern pike taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:		Biological data by age class for northern pike taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT:	
19 All meshes combined	34	38 All meshes combined	47
20 89 mm mesh	34	39 89 mm mesh	47
21 114 mm mesh	35	40 114 mm mesh	48
22 133 mm mesh	35	41 133 mm mesh	48
23 Biological data by length interval for yellow walleye taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT	36	42 Symptoms and diagnoses of diseased fishes collected from Resolution Bay, Great Slave Lake, NT, in 1996	49

LIST OF APPENDICES

<u>Appendix</u>	<u>Page</u>
1 Harvests by the Fort Resolution Aboriginal food fishery from Resolution Bay of Great Slave Lake during the 1994-97 fishing seasons	50

Appendix**Page**

- 2 Harvests by the Fort Resolution
Aboriginal food fishery from the
Little Buffalo River during the 1994-
97 fishing seasons 51
- 3 Location and physical description of
sampling sites when gillnets were
set and pulled 52
- 4 Biological data from fish collected
at Resolution Bay, Great Slave
Lake, NT, 26 June - 23 August,
1996, organized by species,
collection date, sampling site, and
gillnet mesh 55

ABSTRACT

Stewart, D.B., G. Low, N. Dewsbury, C.J. Read and A.C. Day. 1999. Biological data from an experimental fishery at Resolution Bay, Great Slave lake, Northwest Territories, June - August 1996. Can. Data Rep. Fish. Aquat. Sci. 1049: vi + 91 p.

Resolution Bay of Great Slave Lake, NT, is an important fishing ground for the Fort Resolution Aboriginal food fishery. Participants in this fishery have expressed concern about the population status of the fish stocks they harvest, the individual health of these fish, and the possible effects of contaminants on the fish and those who eat them. The purpose of this study was to collect data on the present status of fish stocks in Resolution Bay for comparison with future stock assessment studies. Between 25 June and 23 August 1996, 1910 fishes were collected using mixed-mesh gillnets from 19 sites in the vicinity of the bay. Species captured were: burbot (*Lota lota*), cisco (*Coregonus* sp.), goldeye (*Hiodon alosoides*), inconnu (*Stenodus leucichthys*), lake whitefish (*Coregonus clupeaformis*), longnose sucker (*Catostomus catostomus*), northern pike (*Esox lucius*), and walleye (*Stizostedion vitreum*). This report presents data on the number and weight of fish caught per unit of sampling effort; on the age, length, weight, and sex of the fish; and on the symptoms and diagnoses of diseased fish. Fish were also captured for toxicological studies by other researchers.

Key words: fishery management; population parameters; fish growth; CPUE; Slave River.

RÉSUMÉ

Stewart, D.B., G. Low, N. Dewsbury, C.J. Read and A.C. Day. 1999. Biological data from an experimental fishery at Resolution Bay, Great Slave lake, Northwest Territories, June - August 1996. Can. Data Rep. Fish. Aquat. Sci. 1049: vi + 91 p.

La baie Resolution dans le Grand lac des Esclaves (T.N.-O.) est un important lieu de pêche de subsistance pour les Autochtones de Fort Resolution. Les participants à cette pêche s'inquiètent de la situation démographique des stocks qu'ils exploitent, de la santé de ces poissons et des effets potentiels des contaminants sur le

poisson et ceux qui le consomment. La présente étude vise à recueillir des données sur l'état actuel des stocks de poisson dans la baie Resolution aux fins de comparaison avec les études d'évaluation futures des stocks. Du 25 juin au 23 août 1996, on a capturé 1 910 poissons au moyen de filets maillants de maillage varié dans 19 sites au voisinage de la baie. Les espèces prélevées étaient les suivantes : la lotte (*Lota lota*), le cisco (*Coregonus* sp.), la laquaiche aux yeux d'or (*Hiodon alosoides*), l'inconnu (*Stenodus leucichthys*), le grand corégone (*Coregonus clupeaformis*), le meunier rouge (*Catostomus catostomus*), le grand brochet (*Esox lucius*) et le doré (*Stizostedion vitreum*). Le présent rapport contient des données sur le nombre et le poids de poissons capturés par unité d'effort d'échantillonnage ; l'âge, la longueur, le poids et le sexe des poissons, ainsi que les symptômes et les diagnostics chez les poissons malades. Les poissons ont aussi été prélevés aux fins d'études toxicologiques effectuées par d'autres scientifiques.

Mots-clés : gestion de la pêche ; paramètres de population ; croissance du poisson, PUE ; rivières des Esclaves.

INTRODUCTION

Resolution Bay of Great Slave Lake, NT, is an important fishing ground for the Fort Resolution Aboriginal food fishery. Recent harvest surveys indicate that up to 24,000 kg of fish are harvested annually from this area (Appendix 1). Portions of the bay are closed to commercial fishing to protect the Aboriginal food fishery (Fig. 1), but migratory fish stocks are shared with the Great Slave Lake commercial fishery. Other important harvesting areas for the community are the Little Buffalo (Appendix 2), Slave, and Taltson rivers.

The Deninu Ku'e First Nation and the Fort Resolution Metis Local #53 each have a member on the Great Slave Lake Advisory Committee (GSLAC), which advises the Department of Fisheries and Oceans (DFO) on the management of Great Slave Lake. Residents of Fort Resolution have expressed concern to the Environmental Committee of the First Nation and to GSLAC about the population status of the fish stocks they harvest, the individual health of these fish, and the possible effects of contaminants on the fish and those who eat them.

The effect of the Great Slave Lake commercial fishery on the Aboriginal food fishery is of particular concern to community residents. In 1996, on the recommendation of the Great Slave Lake Advisory Committee, the domestic fishing boundary was moved westward to expand the domestic fishing area and prevent commercial fishing near the mouth of the Little Buffalo River (Fig. 1). This measure will remain in effect until outstanding Dene and Metis land claims in the area are settled, after which time it may be reviewed by the Great Slave Lake Advisory Committee. Inshore zones along the south shore of Great Slave Lake and near the Slave River Delta have also been closed to commercial fishing in the spring to protect inconnu from the threatened Buffalo River stock which migrates along the south shore and concentrate at the river mouth in the spring.

In 1996, DFO contracted the Deninu Ku'e First Nation to collect data for a study to assess the fish stocks of Resolution Bay. This study was to provide information useful for the management of Great Slave Lake fisheries, and to train Aboriginal people for future involvement in fisheries studies and in the stewardship of the resource.

The purpose of this study was to collect data on the present status of fish stocks in Resolution Bay for comparison with future studies.

These data will be especially useful for measuring any changes in species composition and abundance that may occur in the future.

Concerns over the effects of pollutants that may be carried down the Slave River from industrial developments upstream, and over fish health, have also been expressed by the Deninu Ku'e First Nation. Fish were collected during this work for other researchers who are conducting toxicological studies to address concerns over pollution (Evans et al. 1998). Fish that showed symptoms of disease were also collected. They were sent to the Freshwater Institute for examination and the diagnoses are reported.

This report presents data collected during the study in tabular form to serve as baseline data for future stock assessment studies in the area.

MATERIALS AND METHOD

Nineteen sites were sampled between 25 June and 23 August, 1996, at Great Slave Lake in the vicinity of Fort Resolution, NT (Fig. 2; Appendix 3). A Fisheries Technician contracted by DFO and three workers provided by the Deninu Ku'e First Nation conducted the field sampling program.

Fish were caught using gangs of bottom type gillnets. Each gang consisted of three panels of gillnet, each of a different mesh size (89, 114, or 133 mm stretched measure) and 91 m (100 yards) in length and 3.66 m (12 ft) in depth. The nets were constructed of 210-3 woven white nylon with a float line at the top, a lead line at the bottom, and a bridle at each end. Most gangs were set overnight and pulled the next day. Set sites were chosen on the basis of the traditional knowledge of the local crew and subsistence fishermen.

The location and period of each set was recorded. Set location was determined using a Global Positioning System (Sony Model IPS-360). At the time of each set, observations were made on the wind speed and direction, air temperature, cloud cover, water temperature, water depth, and bottom substrate. Captured fish were separated on the basis of mesh size.

Fish were identified to species, weighed (round weight ± 10 g; Superior Weighing Systems Ltd. Accu-weigh model DSY-1100), and measured (fork length ± 5 mm). Gonads were examined to

determine the sex. Pelvic or pectoral fins or sagittal otoliths were removed from the first 50 fish of each species captured each day and preserved in scale envelopes for age determination in the laboratory. A subsample of fishes were also bagged and preserved frozen for laboratory analyses of contaminants and disease identification by other researchers.

Catch per unit effort

The catch per unit of sampling effort (CPUE) was determined for each species at each sampling location. The mean, standard deviation and range of the CPUE are reported by species and for all species combined for a gang of gillnets and for each gillnet mesh in terms of both the number and round weight (kg) of fish taken per 100 m of gillnet set for a 24 h period.

Condition

The condition factor (K), a relative measure of the plumpness or robustness of the fish, was determined using the following formula:

$$K = (\text{round weight in g} \cdot 10^3) \cdot \text{fork length in mm}^{-3}$$

Age determination

Ages were determined by examinations of pelvic fins (cisco, inconnu, lake whitefish, northern pike), pectoral fins (goldeye) or sagittal otoliths (burbot).

Ages were determined from fin cross sections following the technique used by Chilton and Beamish (1982). One fin from each fish was embedded in epoxy and then sectioned across its longitudinal axis near the base, using a Buehler Isomet low speed saw. The sections were mounted on microscope slides, examined at 10X power with transmitted light, and interpreted using the criteria described by Chilton and Beamish (1982).

Burbot ages were determined from sagittal otolith cross sections using the break and burn method. One otolith from each fish was broken through the nucleus and the exposed surfaces were heated over a hot plate until they turned light brown. The burned surfaces were then coated with glycerine and examined under a binocular dissecting microscope using reflected light. Annual growth rings were interpreted using the criteria described by Nordeng (1961).

Contaminants analyses

The frozen burbot, inconnu, northern pike, and walleye were analysed in the laboratory for arsenic, cadmium, copper, mercury, zinc, and organochlorines. The results of these analyses will be reported by Evans et al. (1998).

Fish health

Fish exhibiting symptoms of disease were frozen and sent for diagnosis to the Fish Health Section at the DFO laboratory in Winnipeg.

RESULTS

Species captured during the sampling program included: burbot (*Lota lota*), cisco (*Coregonus* sp.), goldeye (*Hiodon alosoides*), inconnu (*Stenodus leucichthys*), lake whitefish (*Coregonus clupeaformis*), longnose sucker (*Catostomus catostomus*), northern pike (*Esox lucius*), and walleye (*Stizostedion vitreum*). Biological data from the individual fish sampled are archived in Appendix 4.

A series of histograms illustrate the fishes' length-frequency (Figures 3 to 6) and age-frequency (Figures 7 to 10) distributions. In each case the data from individual sites are combined to provide an overview of the sampling area as a whole. Histograms were not constructed for cisco, goldeye or inconnu, each of which had a combined sample size of less than 40 fish.

The period and duration of each gillnet set, and the number and weight of each species caught in each set, are summarized by sample site and mesh size in Table 1. The number and weight of fish caught per unit of sampling effort are summarized by sampling site and gillnet mesh size for each species in Tables 2 and 3.

Length and age composition data for each species are presented by sex for all meshes combined and for each gillnet mesh size in Tables 4 through 41. In each case the data from individual sites are combined to provide an overview of the sampling area as a whole.

The symptoms and diagnoses of diseased fish taken during the study are provided in Table 42.

Three workers from Fort Resolution were trained in DFO sampling techniques during this phase of the project.

ACKNOWLEDGMENTS

Field work was ably conducted by Philip Beaulieu, Kevin Boucher and Chinta UnKa of Fort Resolution. We acknowledge their hard work and contribution to local fishing knowledge which made this project a success. Fred Taptuna of DFO Hay River, NT, provided field training and logistical support.

Fish ages were determined from fin rays by Carol Read, using fins mounted and sectioned by Laura Heuring, and from otoliths by Gary Carder. Dale McGowan and Carol Read of DFO Winnipeg, and Cécile Stewart of Arctic Biological Consultants undertook careful reviews of the manuscript at various stages. Your participation has greatly strengthened this project and we thank you.

Funding for this research was provided by DFO through the Aboriginal Fishery Strategy and by the Deninu Ku'e First Nation, who administered the study contract.

REFERENCES

- CHILTON, D. E., and R. J. BEAMISH. 1982. Age determination methods for fishes studied by the Groundfish Program at the Pacific Biological Station. Can. Spec. Publ. Fish. Aquat. Sci. 60: v + 102 p.
- DEPARTMENT OF FISHERIES AND OCEANS (DFO). 1996. Annual summary of fish and marine mammal harvest data for the Northwest Territories, Vol. 7, 1994-1995: xiii + 85 p.
- DEPARTMENT OF FISHERIES AND OCEANS (DFO). 1997. Annual summary of fish and marine mammal harvest data for the Northwest Territories, Vol. 8, 1995-1996: xii + 80 p.
- DEPARTMENT OF FISHERIES AND OCEANS (DFO). 1998. Annual summary of fish and marine mammal harvest data for the Northwest Territories, Vol. 9, 1996-1997: xi + 72 p.
- EVANS, M.S., D. MUIR, L. LOCKHART, and G. STERN. 1998. Metal and organochlorine contaminants in four species of predatory

fish from Resolution Bay, Great Slave Lake: summer 1996 studies. National Water Research Institute Contributions Series 98-XX (in press).

NORDENG, H. 1961. On the biology of char (*Salmo alpinus* L.) In Salangen, North Norway. 1. Age and spawning frequency determined from scales and otoliths. Nytt. Mag. Zool. 10: 67-123.

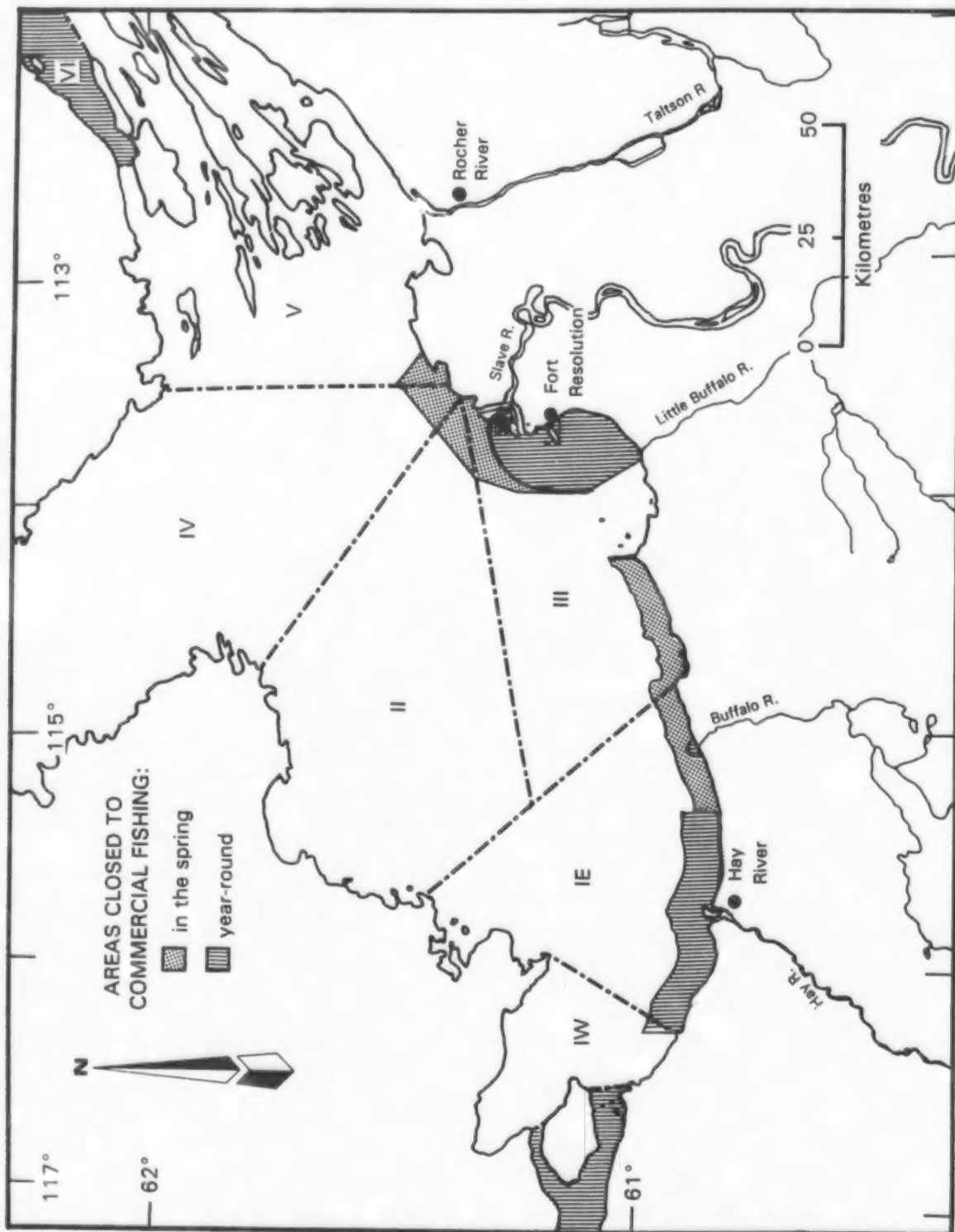


Figure 1. Map of southwestern Great Slave Lake, NT, showing the administrative areas (II to VI) and areas closed to commercial fishing.

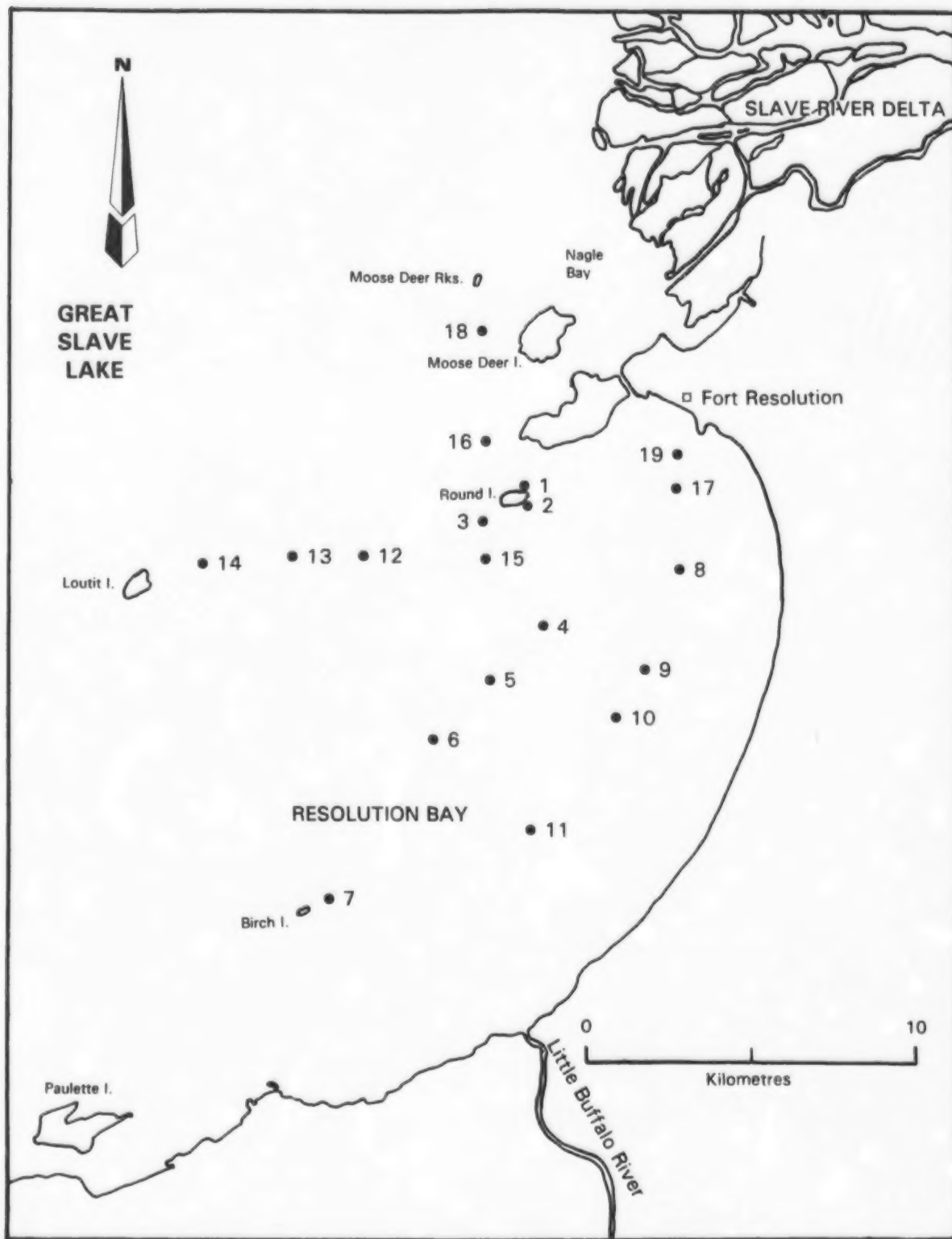


Figure 2. Locations of sampling sites in Resolution Bay, Great Slave Lake, NT.

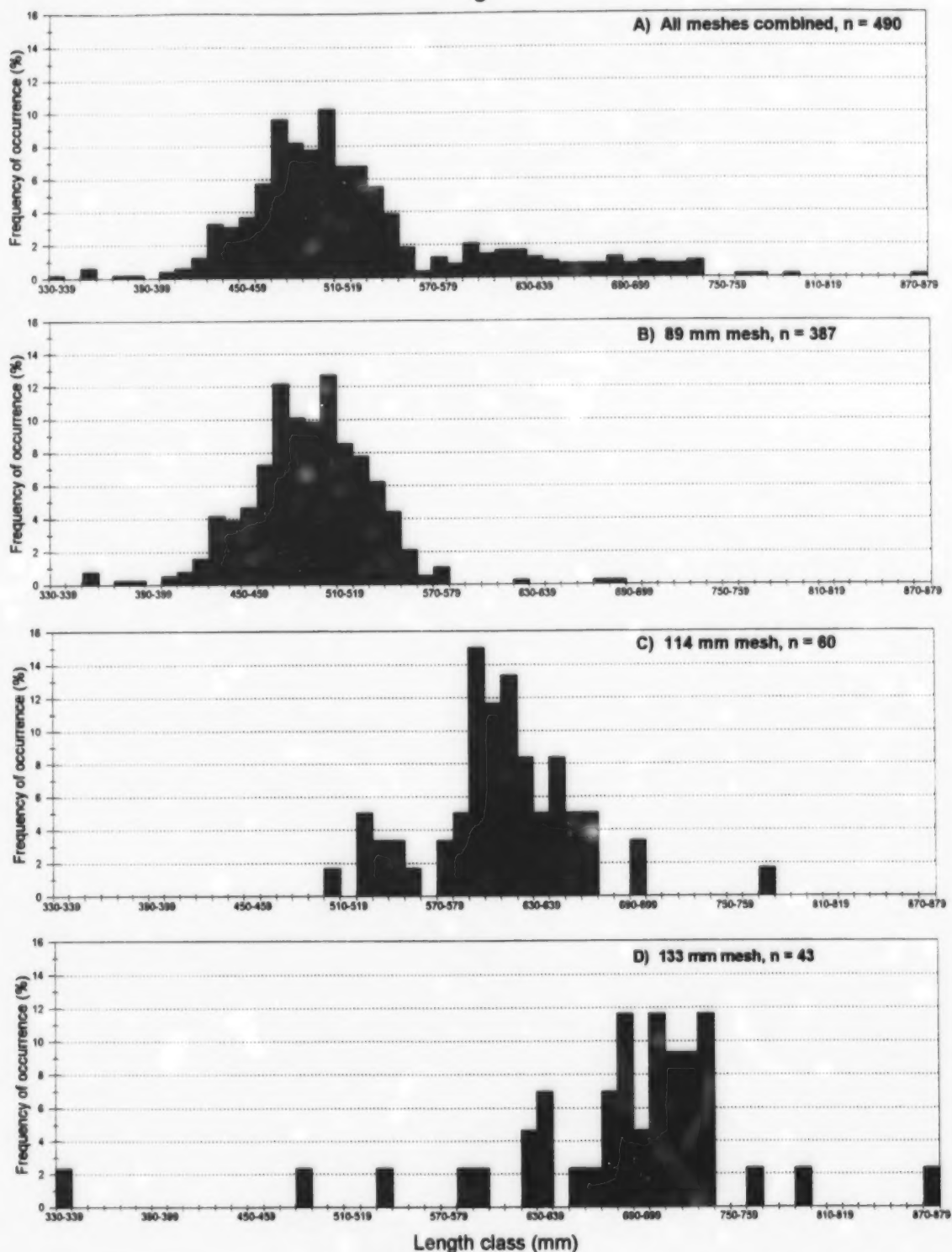


Figure 3. Length-frequency distributions of burbot caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

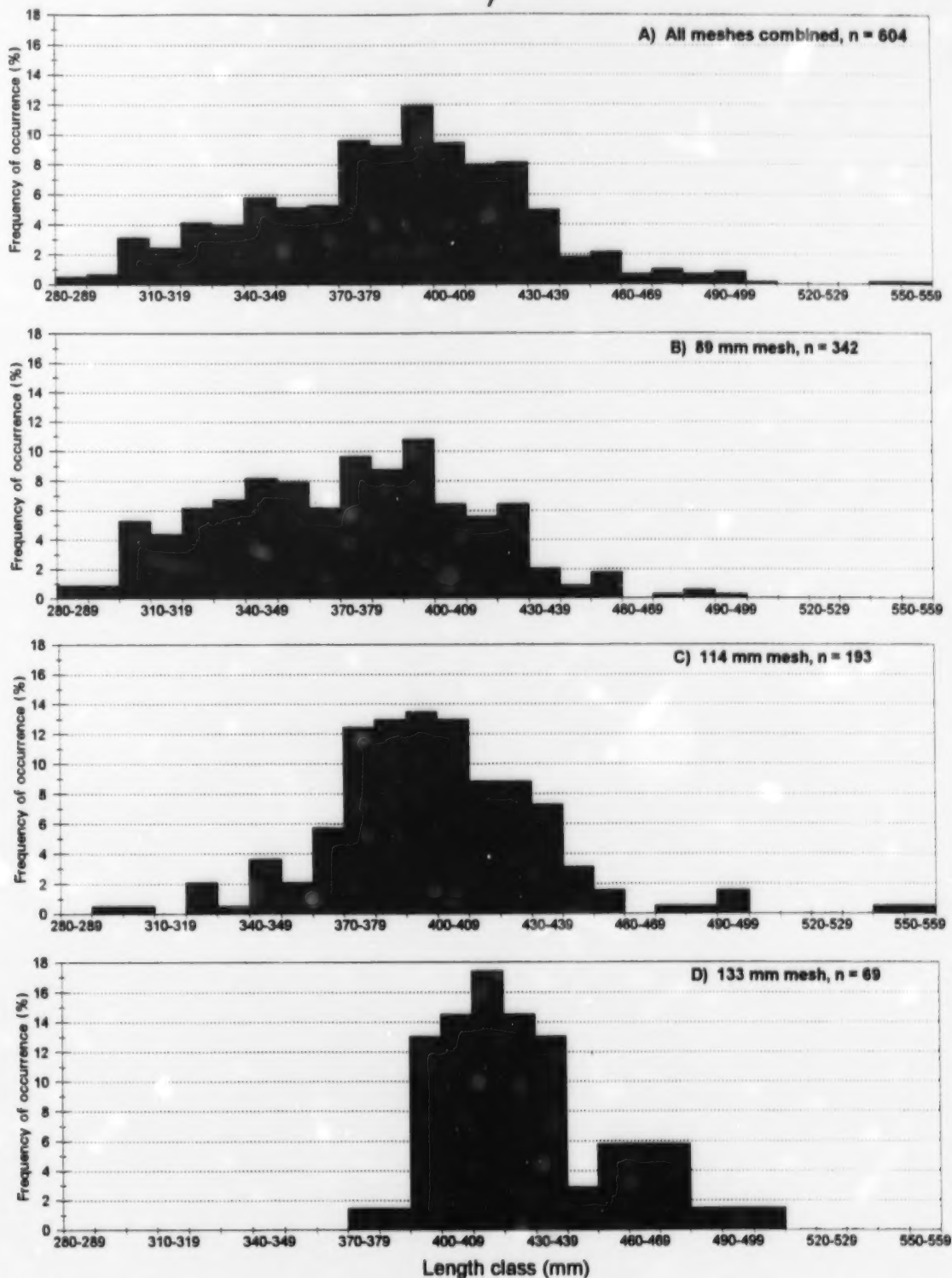


Figure 4. Length-frequency distributions of lake whitefish caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

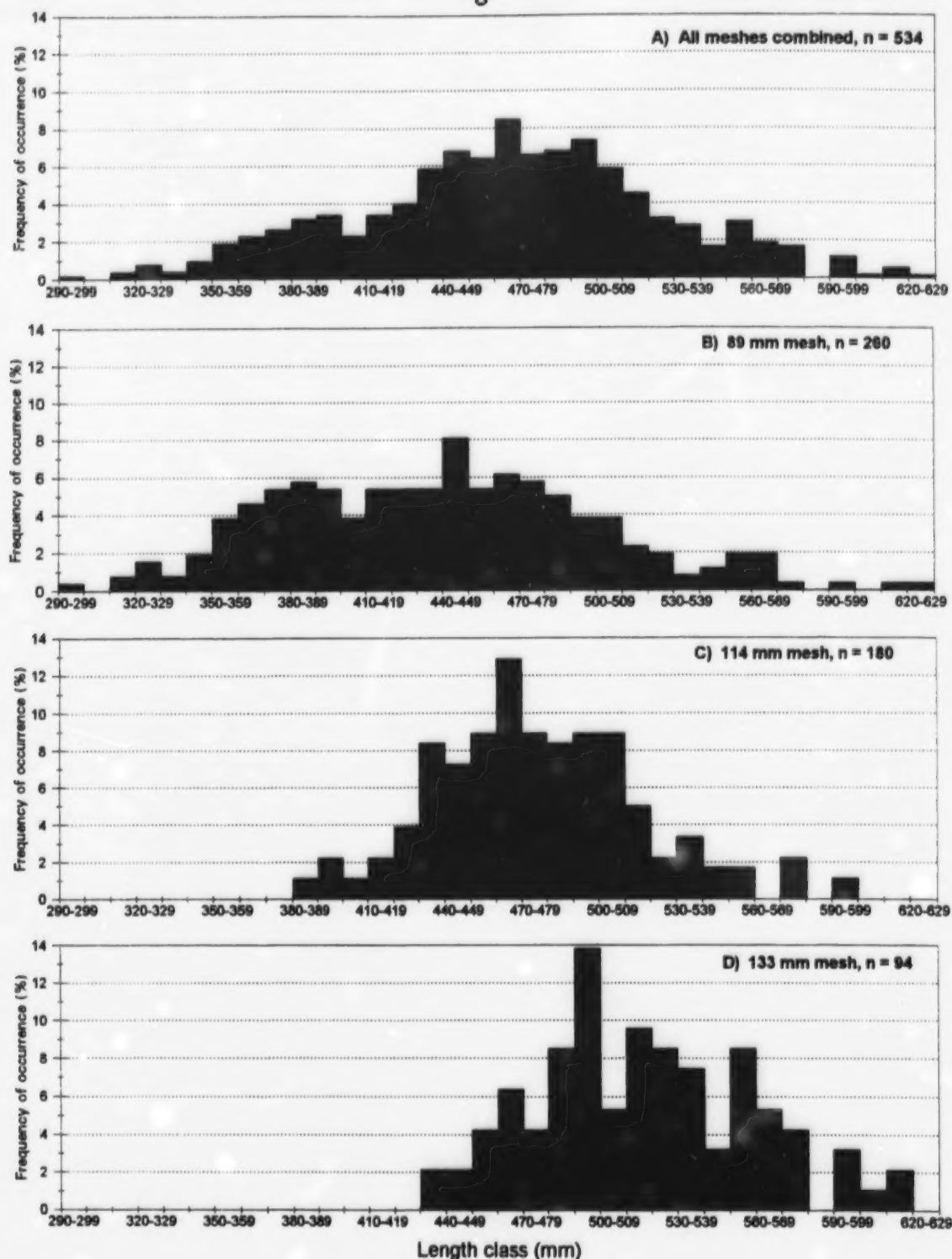


Figure 5. Length-frequency distributions of longnose sucker caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

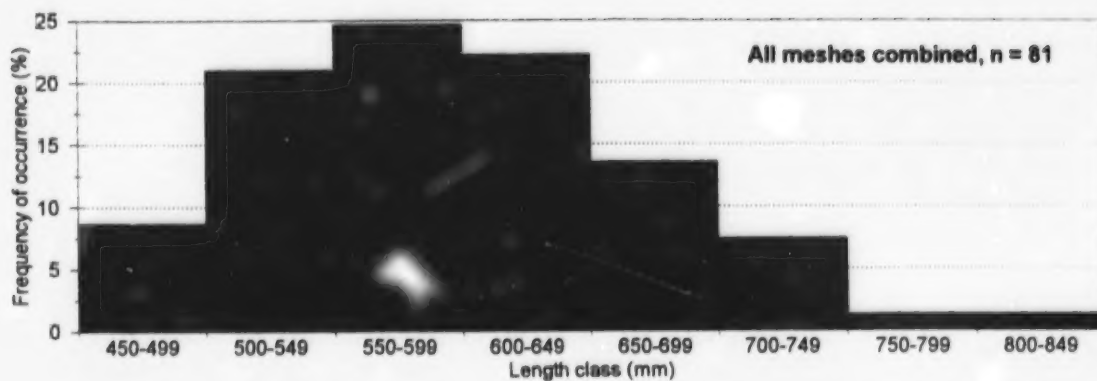


Figure 6. Length-frequency distribution of northern pike caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

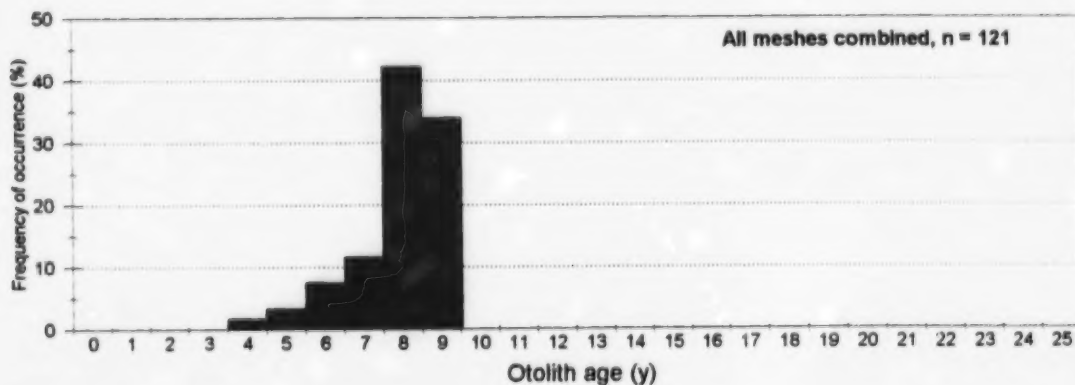


Figure 7. Age-frequency distribution of burbot caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

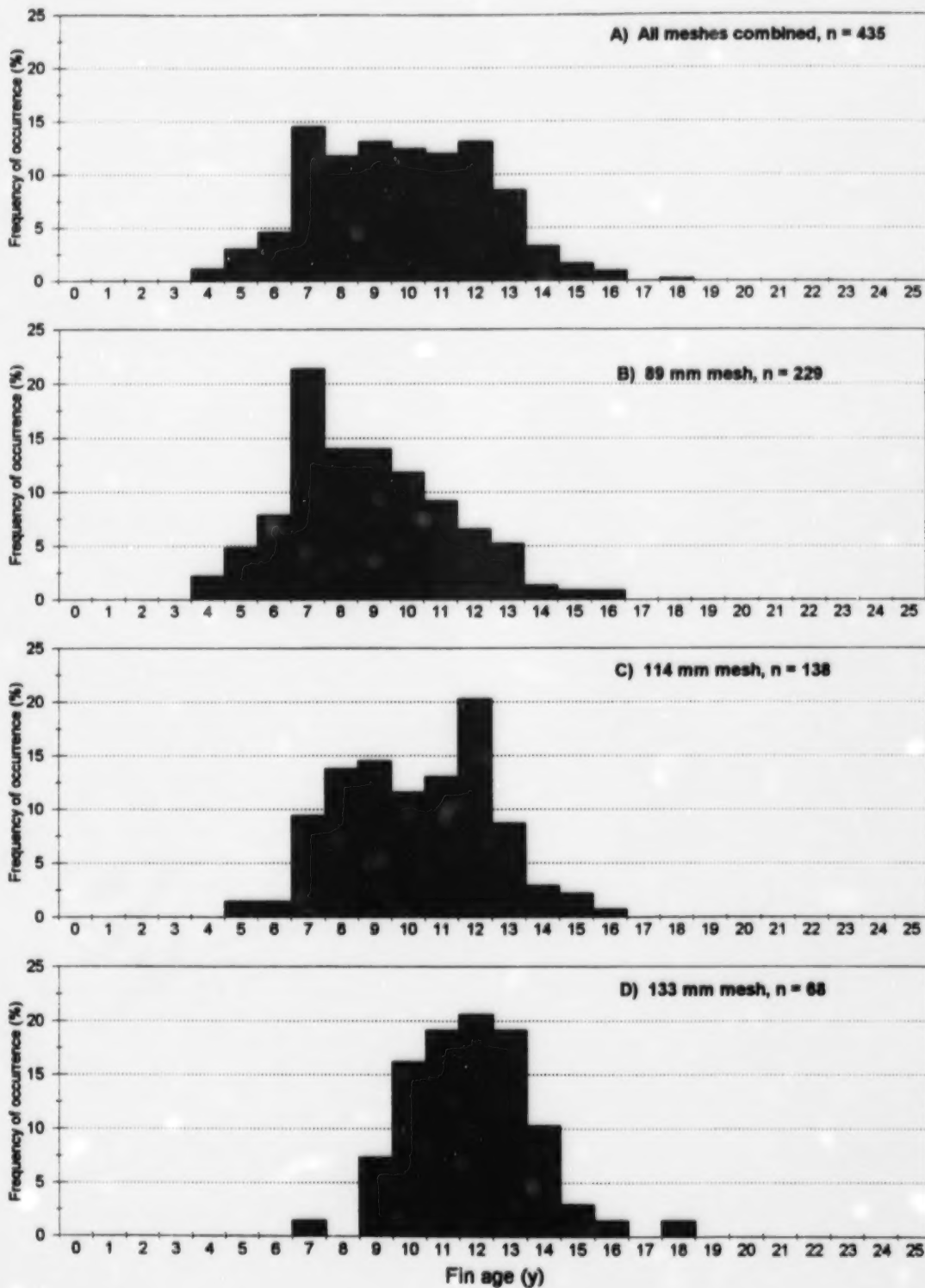


Figure 8. Age-frequency distributions of lake whitefish caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

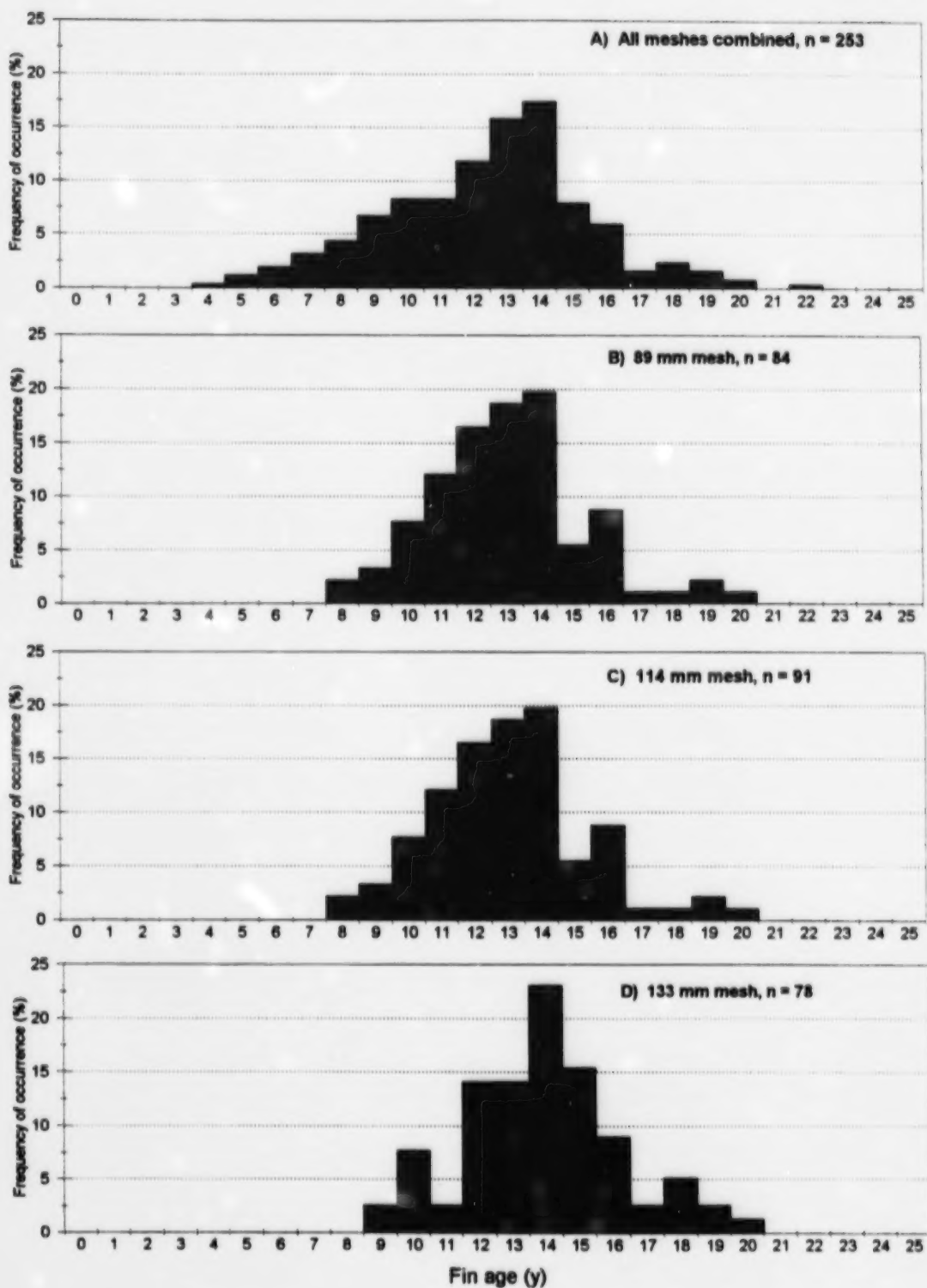


Figure 9. Age-frequency distributions of longnose sucker caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1998.

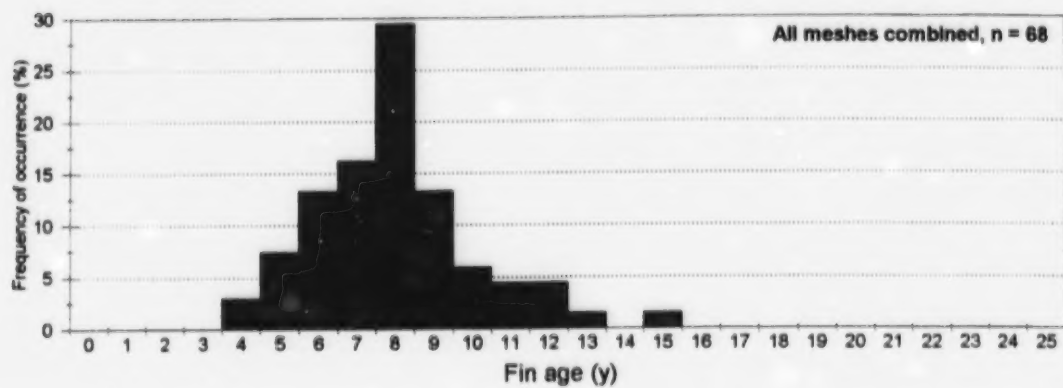


Figure 10. Age-frequency distribution of northern pike caught by gillnets at Resolution Bay, Great Slave Lake, NT, in the summer of 1996.

Table 1. Summary by sample site, mesh size and species of gillnet set data from Resolution Bay, Great Slave Lake, NT, June - August 1996.

MESH SIZE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)							
	Set date (time)	Pull date (time)	Hours fished*	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye
SITE 1											
89 mm	25 June (1030 h)	26 June (0810 h)	21.67 (21:40)	71 [51855]				10 [7064]	3 [2573]	24 [30991]	1 [609]
	26 June (1015 h)	27 June (1010 h)	23.92 (23:55)	44 [36300]				5 [2910]		15 [18580]	
	27 June (0812 h)	28 June (0813 h)	24.02 (24:01)	30 [23320]				10 [6840]	37 [34280]	6 [9180]	
114 mm	24 June (1615 h)	25 June (1045 h)	18.5 (18:30)	6 [7682]				10 [8145]	3 [3445]	2 [4082]	
	25 June (1030 h)	26 June (0810 h)	21.67 (21:40)	17 [26300]				13 [10582]	7 [8573]	9 [22036]	
	26 June (1015 h)	27 June (1010 h)	23.92 (23:55)	8 [12240]				3 [2620]	7 [9210]	3 [6790]	1 [1050]
133 mm	25 June (1030 h)	26 June (0810 h)	21.67 (21:40)	6 [12155]	1 [155]			2 [1973]	3 [5545]		
	26 June (1015 h)	27 June (1010 h)	23.92 (23:55)	6 [13890]				1 [950]	1 [1650]		
	27 June (0812 h)	28 June (0813 h)	24.02 (24:01)	10 [19550]			1 [1280]	2 [2350]	8 [12060]	1 [2110]	
TOTALS				198 [203292]	1 [155]	0	1 [1280]	56 [43434]	69 [77336]	60 [93769]	2 [1659]
SITE 2											
89 mm	3 July (0900 h)	4 July (0825 h)	24.50 (24:30)	28 [20100]				20 [13880]	15 [14880]		
133 mm	3 July (0900 h)	4 July (0930 h)	24.50 (24:30)	3 [6560]				3 [2750]		1 [3280]	
TOTALS				31 [26660]	0	0	0	23 [16630]	15 [14680]	1 [3280]	0
SITE 3											
89 mm	4 July (0830 h)	5 July (0825 h)	23.92 (23:55)	27 [19190]	2 [110]		1 [770]	19 [18030]	16 [16400]		
114 mm	4 July (0830 h)	5 July (0825 h)	23.92 (23:55)	4 [6060]				25 [20670]	15 [18340]	1 [2270]	
133 mm	4 July (0830 h)	5 July (0825 h)	23.92 (23:55)	5 [11080]				9 [12930]	8 [14110]		
TOTALS				36 [36340]	2 [110]	0	1 [770]	53 [51630]	39 [48850]	1 [2270]	0
SITE 4											
89 mm	8 July (0900 h)	9 July (0825 h)	23.42 (23:25)	4 [4100]	1 [100]			9 [6290]	18 [26320]		
114 mm	8 July (0900 h)	9 July (0825 h)	23.42 (23:25)					5 [4560]	12 [17990]		
133 mm	8 July (0900 h)	9 July (0825 h)	23.42 (23:25)					1 [1180]	5 [8300]		
TOTALS				4 [4100]	1 [100]	0	0	15 [12010]	35 [52610]	0	0

Table 1. Continued.

MESH SIZE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)							
	Set date (time)	Pull date (time)	Hours fished	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye
SITE 5											
114 mm	9 July (0825 h)	10 July (0826 h)	24.02 (24:01)					5 [4860]	5 [7510]		
133 mm	9 July (0825 h)	10 July (0826 h)	24.02 (24:01)					1 [970]	3 [6440]		
TOTALS				0	0	0	0	6 [5830]	8 [13950]	0	0
SITE 6											
89 mm	10 July (0754 h)	11 July (1600 h)	32.10 (32:06)	9 [7180]	2 [270]			17 [15670]	20 [26280]		
114 mm	10 July (0754 h)	11 July (1600 h)	32.10 (32:06)					7 [10140]	2 [4070]		
133 mm	10 July (0754 h)	11 July (1600 h)	32.10 (32:06)					2 [2320]	5 [10870]		
TOTALS				9 [7180]	2 [270]	0	0	26 [28130]	27 [41220]	0	0
SITE 7											
89 mm	11 July (1425 h)	12 July (1400 h)	23.42 (23:25)	12 [8270]	5 [1050]			63 [51120]	51 [56370]		
114 mm	11 July (1425 h)	12 July (1400 h)	23.42 (23:25)	2 [3020]				43 [41940]	49 [68980]		
133 mm	11 July (1425 h)	14 July (1730 h)	75.08 (75:05)	2 ² [-]				7 ¹ [2150]	34 ⁴ [20140]		
TOTALS				18 [11290]	5 [1050]	0	0	113 [95210]	134 [145490]	0	0
SITE 8											
89 mm	15 July (1000 h)	16 July (0930 h)	23.50 (23:30)	15 [10930]	2 [650]			18 [12380]	16 ¹ [14460]	1 [1530]	
114 mm	15 July (1000 h)	16 July (0930 h)	23.50 (23:30)	2 [2870]				14 [13710]	12 [17160]	1 [1520]	
133 mm	15 July (1000 h)	16 July (0930 h)	23.50 (23:30)	1 [2150]	1 [90]			11 [14180]	8 [14090]		
TOTALS				18 [15950]	3 [740]	0	0	43 [40270]	36 [45710]	2 [3050]	0
SITE 9											
89 mm	16 July (0755 h)	17 July (0930 h)	25.58 (25:35)	16 [12340]				28 [21530]	25 ¹ [28440]		
114 mm	16 July (0755 h)	17 July (0930 h)	25.58 (25:35)	3 [4270]				10 [9370]	22 [29250]		
133 mm	16 July (0755 h)	17 July (0930 h)	25.58 (25:35)					3 [3070]	8 [14670]		
TOTALS				19 [16610]	0	0	0	41 [33970]	55 [72380]	0	0

Table 1. Continued.

MESH SIZE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)							
	Set date (time)	Pull date (time)	Hours fished	burbot	ciaco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye
SITE 10											
89 mm	17 July (0747 h)	18 July (0945 h)	25.97 (25:58)	9 [6720]				10 [8470]	8 [6170]		
114 mm	17 July (0747 h)	18 July (0945 h)	25.97 (25:58)	4 [5550]				3 [2860]	6 [6320]		
133 mm	17 July (0747 h)	18 July (0945 h)	25.97 (25:58)	1 [5020]				2 [2170]	3 [4820]		
TOTALS				14 [17290]	0	0	0	15 [13500]	17 [19310]	0	0
SITE 11											
89 mm	18 July (0815 h)	19 July (0800 h)	23.75 (23:45)	29 [22900]				3 [1820]	1 [2060]		
114 mm	18 July (0815 h)	19 July (0800 h)	23.75 (23:45)	2 [2630]				2 [1410]	3 [4530]		
133 mm	18 July (0815 h)	19 July (0800 h)	23.75 (23:45)	1 [2150]				1 [1020]			
TOTALS				32 [27680]	0	0	0	6 [4250]	4 [6500]	0	0
SITE 12											
89 mm	6 August (1100 h)	7 August (0820 h)	21.33 (21:20)	7 [5360]	1 [80]			13 [9400]	5 [6630]		
114 mm	6 August (1100 h)	7 August (0820 h)	21.33 (21:20)					5 [5270]	5 [7830]		
133 mm	6 August (1100 h)	7 August (0820 h)	21.33 (21:20)	2 [4490]				3 [3890]	7 [13240]		
TOTALS				9 [9850]	1 [80]	0	0	21 [18560]	17 [27700]	0	0
SITE 13											
89 mm	7 August (0755 h)	8 August (1130 h)	27.58 (27:35)	13 [8940]	3 [1720]			17 [11340]	7 [8250]		
114 mm	7 August (0755 h)	8 August (1130 h)	27.58 (27:35)	3 [4950]	2 [930]			8 [6450]	2 [4400]		
133 mm	7 August (0755 h)	8 August (1130 h)	27.58 (27:35)	1 [2050]	1 [70]			4 [4830]	6 [12300]		
TOTALS				17 [15940]	6 [2720]	0	0	29 [22620]	15 [24950]	0	0
SITE 14											
89 mm	8 August (1000 h)	9 August (0805 h)	22.08 (22:05)	30 [21860]	4 [1650]			27 [19220]	6 [9630]		
114 mm	8 August (1000 h)	9 August (0805 h)	22.08 (22:05)	3 [5390]	3 [2500]			23 [21310]	11 [16285]		
133 mm	8 August (1000 h)	9 August (0805 h)	22.08 (22:05)	1 [1220]				11 [14870]	6 [9460]		
TOTALS				34 [28470]	7 [4150]	0	0	61 [55400]	23 [35375]	0	0

Table 1. Continued.

MESH SIZE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)							
	Set date (time)	Pull date (time)	Hours fished	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye
SITE 15											
89 mm	12 August (0910 h)	14 August (1015 h)	49.08 (49:05)	13 [9795]	1 [80]			23 [19800]	21 [24510]		
114 mm	12 August (0910 h)	14 August (1015 h)	49.08 (49:05)	1 [880]	1 [160]			8 [6580]	13 [17740]		
133 mm	12 August (0910 h)	14 August (1015 h)	49.08 (49:05)	3 [8400]	2 [180]			8 [12780]	8 [15850]		
TOTALS				17 [19075]	4 [400]	0	0	39 [39160]	42 [58100]	0	0
SITE 16											
89 mm	14 August (0935 h)	15 August (1330 h)	27.92 (27:55)	22 [16050]				20 [13620]	5 [4650]	2 [2790]	4 [2750]
114 mm	14 August (0935 h)	15 August (1330 h)	27.92 (27:55)	3 [4750]				8 [8100]	5 [6430]	2 [4680]	
133 mm	14 August (0935 h)	15 August (1330 h)	27.92 (27:55)	2 [4440]				3 [3470]	2 [2650]	1 [3510]	
TOTALS				27 [25240]	0	0	0	31 [25190]	12 [13730]	5 [10980]	4 [2750]
SITE 17											
89 mm	15 August (1230 h)	16 August (0845 h)	20.25 (20:15)	7 ¹ [4420]	2 [250]			12 [9570]	6 [4130]	6 [8610]	1 [500]
114 mm	15 August (1230 h)	16 August (0845 h)	20.25 (20:15)	2 [2430]				2 [2080]	2 [3220]	2 [3840]	
133 mm	15 August (1230 h)	16 August (0845 h)	20.25 (20:15)	1 [2500]					1 [1410]	1 [1750]	
TOTALS				10 [9350]	2 [250]	0	0	14 [11650]	9 [8760]	9 [14200]	1 [500]
SITE 18											
89 mm	19 August (1155 h)	22 August (0915 h)	70.33 (70:20)	37 ⁴				13	5	3	
114 mm	19 August (1155 h)	22 August (0915 h)	70.33 (70:20)	7				7	8	2	
133 mm	19 August (1155 h)	22 August (0915 h)	70.33 (70:20)	5				3	2	2	
TOTALS				49	0	0	0	23	15	7	0
SITE 19											
89 mm	22 August (1200 h)	23 August (0820 h)	20.33 (20:20)	3 [2460]	2 [1150]	4 [1180]	6 [31470]	20 [14260]	2 [1940]	4 [6455]	7 [5450]
133 mm	22 August (1200 h)	23 August (0820 h)	20.33 (20:20)	1 [2370]		1 [410]	3 [13250]	2 [1970]			
TOTALS				4 [4830]	2 [1150]	5 [1590]	9 [44720]	22 [16230]	2 [1940]	4 [6455]	7 [5450]

Table 1. Continued.

MESH SIZE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)							
	Set date (time)	Pull date (time)	Hours fished*	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye
HARVEST TOTALS BY MESH SIZE											
89 mm mesh TOTAL			554.99	426 [292090]	25 [7090]	4 [1180]	7 [32240]	357 [263214]	267 [287773]	61 [78136]	13 [9309]
114 mm mesh TOTAL			528.34	67 [89022]	6 [3590]	0	0	201 [180657]	189 [253283]	22 [45218]	1 [1050]
133 mm mesh TOTAL			630.62	51 [98035]	5 [495]	1 [410]	4 [14530]	79 [89803]	118 [167605]	6 [10650]	0
HARVEST TOTALS FOR ALL MESHES COMBINED											
All meshes combined TOTAL			1713.95	544 [479147]	36 [11175]	5 [1590]	11 [46770]	637 [533674]	574 [708661]	89 [134004]	14 [10359]

*Hours fished are given first in decimal form (e.g. 21.67) and then, underneath and in brackets, in hours and minutes (e.g. 21:40)

¹ One missing fish weight. ² Two missing fish weights. ³ Five missing fish weights. ⁴ Twenty-two missing fish weights. ⁵ No fish weights taken.

Table 2. Summary by sampling site, species, and gillnet mesh size of the number of fish caught per unit (100 m of gillnet set for 24 h) of sampling effort (CPUE) at Resolution Bay, Great Slave Lake, NT, June - August 1996.

SITE	SAMPLING EFFORT		NUMBER OF FISH CAUGHT								
	length of gillnet (m) ¹	Hours fished (h)	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye	All species
1	273'	69.60	25.01	0.13	0	0.13	7.07	8.72	7.58	0.25	48.88
2	182'	24.50	16.69	0	0	0	12.38	8.07	0.54	0	37.68
3	273	23.92	13.23	0.74	0	0.37	19.48	14.33	0.37	0	48.51
4	273	23.42	1.50	0.38	0	0	5.63	13.14	0	0	20.65
5	182'	24.02	0	0	0	0	3.29	4.39	0	0	7.69
6	273	32.10	2.46	0.55	0	0	7.12	7.39	0	0	17.53
7	182' 91	23.42 75.08	3.46	1.08	0	0	24.44	28.99	0	0	57.97
8	273	23.50	6.73	1.12	0	0	16.09	13.47	0.75	0	38.16
9	273	25.58	6.53	0	0	0	14.09	18.90	0	0	39.52
10	273	25.97	4.74	0	0	0	5.08	5.75	0	0	15.57
11	273	23.75	11.85	0	0	0	2.22	1.48	0	0	15.55
12	273	21.33	3.71	0.41	0	0	8.66	7.01	0	0	19.78
13	273	27.58	5.42	1.91	0	0	9.24	4.78	0	0	21.36
14	273	22.08	13.54	2.79	0	0	24.29	9.16	0	0	49.77
15	273	49.08	3.05	0.72	0	0	6.99	7.52	0	0	18.27
16	273	27.92	8.50	0	0	0	9.76	3.78	1.57	1.26	24.87
17	273	20.25	4.34	0.87	0	0	6.08	3.91	3.91	0.43	19.54
18	273	70.33	6.13	0	0	0	2.88	1.88	0.88	0	11.75
19	182'	20.33	2.59	1.30	3.24	5.84	14.27	1.30	2.59	4.54	35.67
Mean			7.34	0.63	0.17	0.33	10.48	8.63	0.96	0.34	28.98
Standard Deviation			6.22	0.76	0.74	1.34	6.75	6.83	1.92	1.06	14.98
Range			0-16.7	0-2.8	0-3.2	0-5.8	2.2-24	1.3-29	0-7.6	0-4.5	7.7-58
89 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			21.97	1.37	0.26	0.44	18.55	13.68	3.47	0.77	60.52
Standard Deviation			19.55	1.69	1.16	1.75	14.54	14.30	7.34	2.15	33.43
Range			3.9-86	0-5.6	0-5.2	0-7.8	3.3-71	0-57	0-29	0-9.1	22-148
114 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			3.76	0.32	-	-	11.36	10.37	1.29	0.06	27.16
Standard Deviation			4.80	0.91	-	-	11.83	12.22	2.59	0.25	24.36
Range			0-21	0-3.6	-	-	2.2-48	1.6-55	0-11	0-1.1	7.4-106
133 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			7.45	0.80	0.37	0.65	9.61	6.36	1.66	-	26.90
Standard Deviation			6.01	0.80	0.86	1.53	5.99	4.56	2.00	-	6.98
Range			0-11	0-1.2	0-1.3	0-3.9	0-13	0-12	0-1.3	-	2.2-24

¹ Mixed-mesh gang consisting of panels of 89 mm, 114 mm, and 133 mm mesh--each 91 m in length, except for sites 2 and 19 where the 114 mm mesh was not set, and site 6 where the 89 mm mesh was not set. At site 7, the 133 mm mesh net was set longer than the other meshes.

Table 3. Summary by sampling site, species, and gillnet mesh size of the round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h) of sampling effort (CPUE) at Resolution Bay, Great Slave Lake, NWT, June - August 1996.

SITE	SAMPLING EFFORT		ROUND WEIGHT OF FISH CAUGHT (kg)								
	length of gillnet (m)	Hours fished (h)	burbot	cisco	goldeye	inconnu	lake whitefish	longnose sucker	northern pike	walleye	All species
1	273	69.60	25.68	0.02	0	0.16	5.49	9.77	11.84	0.21	53.17
2	182	24.50	14.35	0	0	0	8.95	7.90	1.77	0	32.97
3	273	23.92	13.36	0.04	0	0.28	18.98	17.95	0.83	0	51.45
4	273	23.42	1.54	0.04	0	0	4.51	19.75	0	0	25.83
5	182	24.02	0	0	0	0	3.20	7.66	0	0	10.86
6	273	32.10	1.97	0.07	0	0	7.70	11.29	0	0	21.03
7	189 91	23.42 75.08	2.44	0.23	0	0	20.60	31.47	0	0	54.74
8	273	23.50	5.97	0.28	0	0	15.06	17.10	1.14	0	39.55
9	273	25.58	5.71	0	0	0	11.67	24.87	0	0	42.25
10	273	25.97	5.85	0	0	0	4.57	6.54	0	0	16.96
11	273	23.75	10.25	0	0	0	1.57	2.44	0	0	14.26
12	273	21.33	4.06	0.03	0	0	7.65	11.42	0	0	23.16
13	273	27.58	5.08	0.87	0	0	7.21	7.95	0	0	21.11
14	273	22.08	11.34	1.65	0	0	22.06	14.08	0	0	49.13
15	273	49.08	3.42	0.07	0	0	7.01	10.41	0	0	20.91
16	273	27.92	7.95	0	0	0	7.93	4.32	3.46	0.87	24.53
17	273	20.25	4.06	0.11	0	0	5.06	3.80	6.16	0.22	19.41
18	182	20.33	2.60	0.62	0.86	24.07	8.74	1.04	3.47	2.93	44.33
Mean			6.98	0.22	0.05	1.36	9.33	11.65	1.59	0.23	31.43
Standard Deviation			6.21	0.43	0.20	5.67	6.01	8.03	3.08	0.71	14.61
Range			0-25.7	0-1.7	0-0.9	0-24.1	1.6-22.1	1.0-31.3	0-11.8	0-2.9	10.9-54.5
89 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			15.82	0.41	0.08	2.15	14.70	15.25	4.99	0.58	53.97
Standard Deviation			15.33	0.66	0.35	9.37	12.03	15.39	9.67	1.69	30.47
Range			0-63.1	0-2.0	0-1.5	0-40.8	2.0-57.6	0-63.5	0-37.7	0-7.1	21.7-132
114 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			6.80	0.23	-	-	10.93	15.46	2.85	0.06	36.28
Standard Deviation			8.38	0.72	-	-	11.06	17.37	6.47	0.27	30.27
Range			0-32.0	0-3.0			2.7-47.2	3.3-76.6	0-26.8	0-1.2	9.5-82.1
133 mm MESH GILLNETS 91 m in LENGTH, 3.66 m in DEPTH											
Mean			5.24	0.02	0.03	0.93	4.53	7.90	0.57	-	19.21
Standard Deviation			6.06	0.05	0.12	3.84	5.21	5.65	1.20	-	11.12
Range			0-14.8	0-0.2	0-0.5	0-17.2	0-17.8	0-16.4	0-3.5		3.5-42.0

¹ One missing fish weight. ² Two missing fish weights. ³ Five missing fish weights. ⁴ Twenty-two missing fish weights. ⁵ Mixed-mesh gang consisting of panels of 89 mm, 114 mm, and 133 mm mesh--each 91 m in length, except for sites 2 and 19 where the 114 mm mesh was not set, and site 5 where the 89 mm mesh was not set. At site 7, the 133 mm mesh net was set longer than the other meshes.

Table 5. Biological data by length interval for burbot taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

LENGTH INTERVAL (mm)	MALES					FEMALES					TOTAL					% Female
	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	
	n	mean	SD	n		mean	SD	n	mean		SD	n	mean	SD		
350-359	1	359	300	-	0.65	-	-	-	-	-	3	358	303	23	0.66	-
370-379	1	376	370	-	0.70	-	-	-	-	-	1	376	370	-	0.70	-
380-389	1	380	391	-	0.71	-	-	-	-	-	1	380	391	-	0.71	-
400-409	1	409	460	-	0.67	-	-	-	-	0.62	2	409	440	28	0.65	50
410-419	3	413	429	88	0.61	-	-	-	-	-	3	413	429	88	0.61	-
420-429	3	425	533	32	0.69	2	424	545	7	0.72	6	424	533	24	0.70	40
430-439	10	437	598	28	0.72	4	435	523	52	0.64	16	435	575	48	0.70	29
440-449	8	444	610	67	0.70	5	447	612	61	0.69	15	445	624	80	0.71	38
450-459	10	454	628	48	0.67	4	455	663	86	0.70	18	454	644	59	0.69	29
460-469	10	465	667	63	0.66	9	463	637	32	0.64	28	464	658	48	0.66	47
470-479	23	474	691	56	0.65	16	475	716	47	0.67	47	474	699	54	0.66	41
480-489	24	484	727	55	0.64	9	485	674	35	0.59	39	484	721	58	0.63	27
490-499	20	494	763	64	0.63	10	493	703	90	0.59	38	494	750	71	0.62	31
500-509	26	503	799	60	0.63	10	503	762	34	0.60	49	503	786	62	0.62	28
510-519	12	513	819	77	0.61	14	515	824	60	0.60	33	514	819	66	0.60	54
520-529	9	522	813	85	0.57	16	523	812	50	0.57	30	523	824	67	0.57	64
530-539	8	532	806	94	0.54	9	534	903	88	0.59	24	532	868	97	0.57	53
540-549	6	545	867	85	0.54	7	544	923	96	0.57	17	544	907	84	0.56	54
550-559	2	555	1025	120	0.60	4	554	935	88	0.55	8	555	968	84	0.57	67
560-569	-	-	-	-	-	1	560	950	-	0.54	2	561	1050	141	0.60	-
570-579	1	577	890	-	0.46	3	574	860	66	0.45	4	575	868	56	0.46	75
620-629	-	-	-	-	-	1	620	1480	-	0.62	1	620	1480	-	0.62	-
670-679	1	673	1950	-	0.64	-	-	-	-	-	1	673	1950	-	0.64	-
680-689	1	684	2410	-	0.75	-	-	-	-	-	1	684	2410	-	0.75	-
TOTAL MEAN	181	486	738	197	0.64	124	500	761	140	0.61	387	492	751	169	0.63	41

Table 12. Biological data by length interval for lake whitefish taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

LENGTH INTERVAL (mm)	MALES					FEMALES					TOTAL						
	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K		
	n		mean		SD	n		mean		SD	n		mean		SD		
280-289	3	286	317	40	1.35	-	-	293	-	-	-	3	286	317	40	1.35	-
290-299	1	299	370	-	1.38	2	2	293	-	-	1.32	3	295	343	25	1.34	67
300-309	13	304	356	30	1.27	5	3	306	382	29	1.33	18	305	363	31	1.28	28
310-319	12	315	408	40	1.31	2	2	313	385	35	1.25	15	314	404	37	1.30	14
320-329	11	324	440	53	1.29	8	3	325	476	18	1.38	21	325	456	45	1.33	42
330-339	14	335	535	57	1.42	6	6	332	500	46	1.37	23	334	526	54	1.41	30
340-349	18	345	562	62	1.37	8	3	343	558	65	1.38	28	344	559	60	1.37	31
350-359	14	353	619	54	1.40	12	9	353	658	78	1.49	27	353	639	67	1.45	46
360-369	12	364	669	84	1.39	9	3	365	706	48	1.45	21	364	685	72	1.42	43
370-379	18	374	745	67	1.43	13	13	374	703	79	1.34	33	374	728	73	1.39	42
380-389	15	384	804	81	1.42	12	12	386	840	65	1.46	30	385	825	80	1.45	44
390-399	20	394	891	77	1.46	14	14	394	907	99	1.48	37	394	904	91	1.48	41
400-409	12	403	941	100	1.44	8	8	403	903	101	1.37	22	403	920	96	1.41	40
410-419	11	413	1054	104	1.49	7	7	414	1154	155	1.63	19	414	1090	129	1.54	39
420-429	14	423	1150	100	1.51	7	4	423	1154	82	1.53	22	423	1148	92	1.51	33
430-439	2	434	1215	64	1.49	2	4	435	1238	68	1.51	7	435	1237	59	1.51	67
440-449	-	-	-	-	-	2	2	444	1320	283	1.51	3	443	1340	203	1.54	-
450-459	4	457	1498	123	1.57	2	2	457	1580	57	1.66	6	457	1525	107	1.60	33
470-479	-	-	-	-	-	1	1	472	1720	-	1.64	1	472	1720	156	1.60	-
480-489	1	489	1850	-	1.58	1	1	487	1630	-	1.41	2	488	1740	156	1.50	50
490-499	1	495	2060	-	1.70	-	-	-	-	-	-	1	495	2060	-	1.70	-
TOTAL	196	367	738	299	1.41	123	342	376	799	297	1.44	342	371	762	298	1.42	38

Table 17. Biological data by length interval for longnose sucker taken by the 114 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

[illegible]

Table 18. Biological data by length interval for longnose sucker taken by the 133 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

LENGTH INTERVAL (mm)	MALES				FEMALES				TOTAL				% Female		
	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	Length(mm)			Weight(g)	
	n	mean	SD	SD		n	mean	SD	SD		n	mean		SD	SD
430-439	2	433	1140	42	1.41	-	-	-	-	-	2	433	1140	42	1.41
440-449	2	446	1175	247	1.33	-	-	-	-	-	2	446	1175	247	1.33
450-459	3	455	1367	51	1.46	1	455	1290	-	1.37	4	455	1348	57	1.43
460-469	3	465	1277	84	1.27	3	464	1530	148	1.53	6	465	1403	176	1.40
470-479	2	470	1560	226	1.50	2	474	1420	85	1.34	4	472	1490	161	1.42
480-489	5	484	1590	95	1.40	3	487	1453	29	1.26	8	485	1539	102	1.35
490-499	4	494	1588	152	1.32	8	494	1519	99	1.26	13	493	1540	112	1.28
500-509	1	503	1620	-	1.27	3	503	1623	6	1.27	5	503	1644	48	1.29
510-519	3	513	1787	49	1.32	5	515	1757	152	1.29	9	514	1762	113	1.30
520-529	5	525	1934	139	1.34	2	525	1905	6	1.32	8	525	1902	125	1.31
530-539	2	536	1815	233	1.18	5	536	1928	151	1.25	7	536	1896	165	1.23
540-549	2	547	1940	57	1.19	1	543	2250	-	1.41	3	546	2043	183	1.26
550-559	2	553	2105	318	1.25	6	555	2070	148	1.21	8	554	2079	174	1.22
560-569	2	565	2160	141	1.20	2	564	2130	170	1.19	5	563	2178	134	1.22
570-579	-	-	-	-	-	4	575	2263	165	1.19	4	575	2263	165	1.19
580-589	1	591	2560	-	1.24	2	596	2445	163	1.16	3	594	2483	133	1.19
590-599	-	-	-	-	-	1	602	2660	-	1.22	1	602	2660	-	1.22
600-609	-	-	-	-	-	2	613	2750	113	1.20	2	613	2750	113	1.20
610-619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	39	500	1673	348	1.33	50	527	1867	389	1.27	94	515	1783	377	1.29
MEAN															56

Table 21. Biological data by length interval for northern pike taken by the 114 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

LENGTH INTERVAL (mm)	MALES					FEMALES					TOTAL								
	Length(mm)			Weight(g)		K	Length(mm)			Weight(g)		K	Length(mm)			Weight(g)		K	Σ Female
	n	mean	SD	n	mean		SD	n	mean	SD	n		mean	SD					
550-599	1	595	1509	-	0.72	-	-	-	-	-	3	592	1496	32	0.72	-			
600-649	3	631	1873	63	0.75	0.72	1	644	1930	-	4	634	1887	59	0.74	25			
650-699	5	673	2212	177	0.73	0.73	2	682	2309	180	8	678	2244	156	0.72	29			
700-749	-	-	-	-	-	-	2	707	2454	104	0.69	3	706	2552	186	0.72	-		
750-799	1	751	2920	-	0.69	-	-	-	-	-	1	751	2920	-	0.69	-			
800-849	1	849	4655	-	0.76	-	-	-	-	-	1	849	4655	-	0.76	-			
TOTAL MEAN	11	677	2342	852	0.73	0.73	5	684	2291	238	0.71	20	673	2261	688	0.73	31		

Table 22. Biological data by length interval for northern pike taken by the 133 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

LENGTH INTERVAL (mm)	MALES						FEMALES						TOTAL							
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)				
	n	mean		SD	n	mean		SD	n	mean		SD	n	mean		SD	n	mean		SD
600-649	1	643	2110	-	0.79	-	-	-	-	-	-	-	2	640	1930	255	0.74	-	-	
700-749	-	-	-	-	-	-	-	-	-	-	-	-	2	746	3395	163	0.83	-	-	
TOTAL MEAN	1	643	2110	-	0.79	-	-	0	-	-	-	-	4	692	2663	864	0.78	0	0	

Table 25. Biological data by age class for burbot taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES					FEMALES					TOTAL					Σ FEMALE				
	Length(mm)			Weight(g)		K	Length(mm)			Weight(g)		K	Length(mm)				Weight(g)		K	
	n	Σ	mean	SD	mean		SD	n	Σ	mean	SD		mean	SD	n		Σ	mean		SD
4	1	1	359	-	300	-	0.65	-	-	-	-	-	1	1	359	-	300	-	0.65	
5	3	4	420	46	494	123	0.66	1	3	489	-	0.55	4	4	3	437	51	530	124	0.63
6	5	7	464	49	646	232	0.62	4	10	482	39	0.66	9	8	472	43	685	183	0.64	
7	10	14	475	23	691	94	0.64	4	10	445	38	0.66	14	12	467	30	661	117	0.65	
8	32	44	485	28	734	95	0.64	17	43	497	28	0.61	49	43	489	28	737	99	0.63	
9	22	30	486	31	733	94	0.64	14	35	493	35	0.62	38	33	491	32	741	91	0.63	
TOTAL	73							40					115							
MEAN			478	36	706	127	0.64			489	34	0.62			483	35	714	121	0.63	
MEAN AGE			7.8						8.0					7.9						

Table 26. Biological data by age class for burbot taken by the 114 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES					FEMALES					TOTAL					% FEMALE			
	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K				
	n	%	mean	SD		n	%	mean	SD		n	%	mean	SD					
8	2	50	532	13	1026	93	0.68	-	-	-	-	2	40	532	13	1026	93	0.68	-
9	2	50	612	11	1519	206	0.66	-	-	-	-	3	60	601	20	1502	148	0.69	-
TOTAL	4							0					5						
MEAN			572	48	1272	313	0.67			-	-	-		573	41	1312	285	0.69	0
MEAN AGE			8.5										8.6						

Table 27. Biological data by age class for burbot taken by the 133 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES				FEMALES				TOTAL				Σ FEMALE			
	Length(mm)		Weight(g)		Length(mm)		Weight(g)		Length(mm)		Weight(g)					
	n	%	mean	SD	n	%	mean	SD	n	%	mean	SD				
4	1	100	336	-	255	-	0.67	-	-	-	-	-	255	-	0.67	-

Table 28. Biological data by age class for goldeye taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES				FEMALES				TOTAL				%			
	Length(mm)		Weight(g)		Length(mm)		Weight(g)		Length(mm)		Weight(g)					
	n	%	mean	SD	n	%	mean	SD	n	%	mean	SD				
5	1	25	275	-	230	-	1.11	-	1	20	275	-	230	-	1.11	-
6	1	25	303	-	270	-	0.97	-	1	20	303	-	270	-	0.97	-
10	2	50	306	11	340	0	1.20	-	2	40	306	11	340	0	1.20	-
11	-	-	-	-	-	-	-	-	1	100	318	-	410	-	1.27	-
TOTAL	4	297	16	295	54	1.12	-	-	5	301	17	318	70	1.15	20	-
MEAN	7.8	11.0	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-

Table 29. Biological data by age class for inconnu taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL				%	FEMALE					
	Length(mm)			Weight(g)			K	Length(mm)			Weight(g)			K	Length(mm)				Weight(g)			K	
	n	Σ	mean	SD	mean	SD		n	Σ	mean	SD	n	Σ		mean	SD			n	Σ	mean		SD
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	232	-	100	-	0.80	-
4	1	100	502	-	1280	-	1.01	-	-	-	-	-	-	-	-	1	10	502	-	1280	-	1.01	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	629	-	2930	-	1.18	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	30	743	33	5060	418	1.24	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	30	798	45	6270	1713	1.21	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	858	-	7700	-	1.22	-
TOTAL	1	502	-	1280	-	1.01	-	0	-	-	-	-	-	-	-	10	684	190	4600	2558	1.16	0	-
MEAN	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGE																							

Table 30. Biological data by age class for lake whitefish taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						%				
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)							
	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD					
4	2	1	316	1	445	7	1.41	2	1	311	25	395	106	1.30	5	1	319	18	440	74	1.34	50	
5	6	3	330	32	486	184	1.31	6	3	321	25	433	94	1.29	13	3	326	27	463	137	1.30	50	
6	14	6	330	27	471	143	1.28	5	3	339	25	596	179	1.49	20	5	335	28	523	174	1.34	26	
7	28	13	340	26	541	158	1.34	28	15	356	29	655	183	1.42	63	14	351	32	623	204	1.39	50	
8	24	11	367	24	725	164	1.45	23	13	379	29	806	197	1.46	51	12	373	27	764	178	1.46	49	
9	29	13	377	28	808	198	1.48	20	11	385	28	849	201	1.46	57	13	381	28	828	195	1.47	41	
10	23	11	398	14	920	156	1.46	25	14	407	27	1038	310	1.51	54	12	402	21	975	243	1.48	52	
11	30	14	400	22	939	185	1.46	21	12	411	27	1068	222	1.52	52	12	404	25	989	208	1.48	41	
12	31	14	406	28	1001	212	1.48	24	13	423	28	1154	277	1.51	57	13	414	29	1070	251	1.49	44	
13	17	8	420	26	1149	241	1.53	15	8	421	21	1152	255	1.52	37	9	423	24	1166	231	1.53	47	
14	6	3	442	31	1428	358	1.63	8	4	444	33	1418	449	1.57	14	3	443	31	1422	397	1.60	57	
15	3	1	413	18	1060	79	1.50	3	2	473	60	1453	344	1.38	7	2	439	48	1244	285	1.47	50	
16	2	1	456	51	1350	212	1.44	2	1	480	11	1675	64	1.52	4	1	468	33	1513	227	1.48	50	
18	1	0	503	-	2190	-	1.72	-	-	-	-	-	-	-	1	0	503	-	2190	-	1.72	-	
TOTAL	216							182						435									
MEAN			383	41	847	309	1.44			395	43	949	348	1.48			389	42	895	325	1.46	46	
MEAN AGE		9.7						9.8									9.7						

Table 31. Biological data by age class for lake whitefish taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE	MALES						FEMALES						TOTAL						Σ FEMALE								
	(y)	Length(mm)			Weight(g)			K	n	%	Length(mm)			Weight(g)			K	n		%	Length(mm)			Weight(g)			K
		mean	SD		mean	SD					mean	SD		mean	SD						mean	SD		mean	SD		
4	2	2	316	1	445	7	1.41	2	3	311	25	395	106	1.30	5	2	319	18	440	74	1.34	50					
5	5	4	318	13	412	37	1.28	5	8	326	25	454	89	1.30	11	5	323	19	440	68	1.29	50					
6	14	9	330	27	471	143	1.28	4	5	332	24	550	168	1.46	18	8	331	25	489	148	1.32	22					
7	25	21	334	20	508	127	1.33	21	23	352	29	626	185	1.40	49	21	343	26	568	169	1.37	46					
8	16	13	368	26	726	186	1.43	13	15	376	28	785	201	1.45	32	14	372	27	752	185	1.44	45					
9	18	15	370	30	751	213	1.45	7	8	370	39	733	254	1.40	32	14	373	32	767	216	1.44	28					
10	10	8	399	17	941	214	1.47	15	19	404	22	992	190	1.50	27	12	402	20	967	193	1.48	60					
11	14	12	389	22	861	200	1.44	7	8	390	24	911	183	1.52	21	9	389	22	878	191	1.47	33					
12	11	9	396	17	930	143	1.49	4	5	413	18	1170	269	1.64	15	7	401	18	994	205	1.53	27					
13	7	5	419	29	1086	253	1.45	2	3	409	16	1105	35	1.63	12	5	419	25	1132	210	1.53	22					
14	1	1	459	-	1590	-	1.64	2	3	427	26	1205	445	1.52	3	1	437	26	1333	386	1.56	67					
15	1	1	405	-	1030	-	1.55	1	1	437	-	1250	-	1.50	2	1	421	23	1140	156	1.52	50					
16	-	-	-	-	-	-	-	2	3	480	11	1675	64	1.52	2	1	480	11	1675	64	1.52	-					
TOTAL	124							85							229												
MEAN			366	38	720	273	1.40			376	42	810	310	1.45			371	40	764	289	1.43	41					
MEAN AGE			8.8						8.8								8.8										

Table 32. Biological data by age class for lake whitefish taken by the 114 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						% FEMALE	
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)				
	n	%	mean	SD	mean	SD	n	%	mean	SD	n	%	mean	SD	n	%	mean	SD		
5	1	2	390	-	855	-	1	2	298	-	330	-	2	1	344	65	593	371	1.34	50
6	-	-	-	-	-	-	1	2	365	-	782	-	2	1	374	13	826	62	1.58	-
7	3	5	386	31	813	133	6	9	365	24	703	130	13	9	378	34	801	208	1.46	67
8	8	13	364	19	724	120	10	15	383	32	833	199	19	14	374	27	786	168	1.49	56
9	10	17	386	20	884	126	9	14	388	18	825	223	20	14	387	18	880	127	1.51	47
10	8	13	394	13	866	95	6	9	402	19	952	270	16	12	397	15	899	184	1.42	43
11	9	15	408	20	944	147	1	39	415	21	990	285	18	13	410	20	992	181	1.43	47
12	14	23	407	34	981	242	1	43	416	28	1082	252	28	20	412	30	1026	244	1.45	48
13	3	5	399	7	973	42	7	11	412	15	1020	187	12	9	416	24	1050	174	1.45	70
14	2	3	469	30	1690	509	2	3	424	33	1145	389	4	3	446	37	1418	486	1.54	50
15	1	2	401	-	1000	-	2	3	492	71	1555	417	3	2	461	73	1370	436	1.39	67
16	1	2	492	-	1500	-	-	-	-	-	-	-	1	1	492	-	1500	-	1.26	-
TOTAL	60						65						138							
MEAN			398	32	931	244			400	36	943	285			400	34	947	254	1.46	52
MEAN AGE		10.4						10.3						10.2						

Table 33. Biological data by age class for lake whitefish taken by the 133 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						% FEMALE
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)			
	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	
7	-	-	-	-	-	-	1	3	397	-	970	-	1	1	397	-	970	-	1.55
9	1	3	402	-	1060	-	4	12	406	12	995	103	5	7	405	11	1008	94	1.52
10	5	16	401	12	963	77	4	12	425	47	1343	574	11	16	410	30	1105	370	1.56
11	7	22	410	19	1089	93	6	19	430	24	1257	143	13	19	419	23	1166	143	1.58
12	6	19	423	25	1180	160	7	22	442	26	1278	319	14	20	434	26	1240	245	1.51
13	7	22	431	25	1289	218	6	19	436	21	1322	287	13	21	433	22	1304	239	1.59
14	3	9	418	17	1200	176	4	12	463	32	1660	442	7	10	444	34	1463	411	1.64
15	1	3	434	-	1150	-	-	-	-	-	-	-	2	3	424	15	1160	14	1.53
16	1	3	420	-	1200	-	-	-	-	-	-	-	1	1	420	-	1200	-	1.62
18	1	3	503	-	2190	-	-	-	-	-	-	-	1	1	503	-	2190	-	1.72
TOTAL	32						32						68						
MEAN			420		1179	252			425	30	1293	347			426	28	1229	301	1.57
MEAN AGE		12.2						11.5						11.8					

Table 34. Biological data by age class for longnose sucker taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						%
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)			
	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	
4	1	1	310	-	440	-	-	-	-	-	-	-	1	0	310	-	440	-	1.48
5	3	2	331	11	493	51	-	-	-	-	-	-	3	1	331	11	493	51	1.36
6	5	4	362	19	634	122	-	-	-	-	-	-	5	2	362	19	634	122	1.32
7	5	4	387	39	752	205	2	2	370	8	665	92	8	3	382	30	726	164	1.29
8	4	3	375	18	690	102	5	4	408	36	910	280	11	4	397	33	819	223	1.29
9	9	7	429	34	1037	295	8	7	434	23	1070	162	17	7	431	29	1052	235	1.30
10	9	7	434	37	1092	347	11	9	468	21	1354	190	21	8	455	34	1250	295	1.31
11	10	8	446	37	1142	250	11	9	487	28	1406	244	21	8	468	38	1280	276	1.24
12	16	13	450	24	1222	191	13	11	498	37	1533	289	30	12	470	39	1365	279	1.31
13	16	13	471	30	1338	289	24	21	495	23	1487	221	40	16	485	28	1427	258	1.24
14	18	14	465	39	1347	286	25	21	515	45	1794	469	44	17	494	48	1609	452	1.31
15	7	6	482	22	1517	162	11	9	537	37	1945	407	20	8	517	40	1769	371	1.27
16	8	6	490	16	1514	121	6	5	582	17	2420	180	15	6	531	48	1929	481	1.27
17	4	3	495	40	1575	333	-	-	-	-	-	-	4	2	495	40	1575	333	1.29
18	6	5	536	26	2003	339	-	-	-	-	-	-	6	2	536	26	2003	339	1.29
19	3	2	552	51	2100	594	1	1	602	-	2660	-	4	2	565	48	2240	560	1.22
20	1	1	549	-	1900	-	-	-	-	-	-	-	2	1	526	33	1810	127	1.25
22	1	1	560	-	1940	-	-	-	-	-	-	-	1	0	560	-	1940	-	1.10
TOTAL	126						117						253						
MEAN			454	56	1259	432			495	51	1571	472			474	58	1411	477	1.28
MEAN AGE	12.4						12.4						12.4						

Table 35. Biological data by age class for longnose sucker taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						% FEMALE
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)			
	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	
4	1	2	310	-	440	-	1	1	310	-	440	-	1	1	310	-	440	-	1.48
5	3	6	331	11	493	51	-	-	-	-	-	-	3	4	331	11	493	51	1.36
6	5	10	362	19	634	122	-	-	-	-	-	-	5	6	362	19	634	122	1.32
7	5	10	387	39	752	205	2	6	370	8	665	92	8	10	382	30	726	164	1.29
8	4	8	375	18	690	102	3	10	390	33	763	178	9	11	388	30	750	148	1.27
9	8	16	422	30	949	140	4	13	421	15	968	90	12	14	422	25	955	122	1.27
10	5	10	428	47	980	333	3	10	464	25	1330	114	8	10	442	42	1111	316	1.26
11	5	10	430	44	1020	274	3	10	510	41	1650	294	8	10	460	58	1256	417	1.25
12	2	4	437	21	1020	212	2	6	460	42	1175	219	4	5	449	30	1098	198	1.21
13	4	8	450	32	1048	230	8	26	482	15	1333	136	12	14	471	26	1238	214	1.17
14	3	6	462	27	1317	226	5	16	517	70	1778	820	8	10	496	62	1605	675	1.26
15	2	4	476	20	1435	21	1	3	554	-	2430	-	3	4	502	47	1767	575	1.37
17	1	2	495	-	1690	-	-	-	-	-	-	-	1	1	495	-	1490	-	1.23
18	1	2	500	-	1540	-	-	-	-	-	-	-	1	1	500	-	1540	-	1.23
22	1	2	560	-	1940	-	-	-	-	-	-	-	1	1	560	-	1940	-	1.10
TOTAL	50						31						84						
MEAN			416		944	346			465		1315	519			433		1076	451	1.26
MEAN AGE		10.0						11.3							10.4				38

Table 36. Biological data by age class for longnose sucker taken by the 114 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						Σ FEMALE				
	Length(mm)			Weight(g)			K	Length(mm)			Weight(g)			K	Length(mm)			Weight(g)			K		
	n	Σ	mean	SD	mean	SD		n	Σ	mean	SD	mean	SD		n	Σ	mean	SD		mean		SD	
8	-	-	-	-	-	-	-	2	5	435	21	1130	297	1.36	2	2	435	21	1130	297	1.36	-	
9	-	-	-	-	-	-	-	3	7	444	28	1133	170	1.29	3	3	444	28	1133	170	1.29	-	
10	3	7	432	19	1070	171	1.32	4	10	461	26	1233	232	1.25	7	8	449	27	1163	210	1.28	57	
11	4	9	467	22	1243	185	1.22	7	17	476	18	1299	164	1.20	11	12	473	19	1278	165	1.21	64	
12	9	20	446	27	1190	163	1.34	5	12	486	23	1438	160	1.26	15	16	459	31	1291	197	1.35	36	
13	8	17	478	27	1414	159	1.29	9	21	496	28	1526	278	1.24	17	19	488	29	1473	230	1.27	53	
14	11	24	458	35	1297	265	1.34	7	17	500	48	1573	412	1.24	18	20	475	44	1404	347	1.30	39	
15	1	2	469	-	1370	-	1.33	3	7	523	18	1797	276	1.25	5	5	513	28	1678	270	1.24	75	
16	6	13	488	18	1498	134	1.29	2	5	587	11	2580	113	1.28	8	9	513	48	1769	515	1.29	25	
17	1	2	447	-	1180	-	1.32	-	-	-	-	-	-	-	1	1	447	-	1180	-	1.32	-	
18	1	2	552	-	2310	-	1.37	-	-	-	-	-	-	-	1	1	552	-	2310	-	1.37	-	
19	2	4	533	54	1870	622	1.21	-	-	-	-	-	-	-	2	2	533	54	1870	622	1.21	-	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	503	-	1720	-	1.35	-	
TOTAL	46							42							91								
MEAN			468	36	1349	296	1.31			488	41	1480	391	1.25			478	40	1418	345	1.28	48	
MEAN AGE			13.6							12.2							13.0						

Table 37. Biological data by age class for longnose sucker taken by the 133 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES						FEMALES						TOTAL						%		
	Length(mm)			Weight(g)			Length(mm)			Weight(g)			Length(mm)			Weight(g)					
	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD	n	%	mean	SD	mean	SD			
9	1	3	482	-	1740	-	1	2	455	-	1290	-	1	37	2	3	469	19	1515	318	1.46
10	1	3	470	-	1720	-	4	9	478	14	1493	111	1	37	6	8	479	13	1535	126	1.40
11	1	3	446	-	1350	-	1	2	495	-	1430	-	1	18	2	3	471	35	1390	57	1.35
12	5	17	461	18	1360	161	6	14	522	34	1732	250	1	22	11	14	494	41	1563	282	1.30
13	4	13	479	32	1475	391	7	16	508	13	1614	99	1	23	11	14	497	25	1563	238	1.26
14	4	13	486	56	1508	389	13	30	521	34	1920	293	1	35	18	23	513	40	1817	344	1.34
15	4	13	488	27	1595	180	7	16	541	45	1939	448	1	21	12	15	522	44	1808	382	1.26
16	2	7	497	9	1560	85	4	9	579	20	2340	156	1	21	7	9	553	42	2113	395	1.24
17	2	7	519	37	1815	233	-	-	-	-	-	-	1	21	2	3	519	37	1815	233	1.30
18	4	13	541	24	2043	293	-	-	-	-	-	-	-	21	4	5	541	24	2043	293	1.29
19	1	3	591	-	2560	-	1	2	602	-	2660	-	1	22	2	3	597	8	2610	71	1.23
20	1	3	549	-	1900	-	-	-	-	-	-	-	-	-	1	1	549	-	1900	-	1.15
TOTAL	30						44							78							
MEAN			495	42	1643	360			523	41	1839	371		1.27			512	43	1763	373	1.30
MEAN AGE		14.5						13.5						13.9							

Table 38. Biological data by age class for northern pike taken by survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES										FEMALES										TOTAL	%		
	Length(mm)					Weight(g)					K	Length(mm)					Weight(g)						K	
	n	Σ	mean		SD	n	Σ	mean		SD		n	Σ	mean		SD	n	Σ	mean					SD
4	1	2	470	-	720	-	0.69	-	1	7	552	-	1310	-	0.78	2	3	511	58	1015	417	0.74	50	
5	4	9	487	14	784	158	0.67	-	1	7	545	-	2080	-	1.28	5	7	499	29	1043	596	0.80	20	
6	5	11	569	51	1319	321	0.71	0.71	3	20	597	104	1472	808	0.65	9	13	580	65	1360	470	0.69	38	
7	8	18	568	56	1453	498	0.76	0.76	2	13	540	49	1123	251	0.71	11	16	560	52	1360	453	0.75	20	
8	13	30	603	75	1633	616	0.72	0.72	4	27	636	54	1932	463	0.74	20	29	614	68	1738	589	0.72	24	
9	5	11	615	55	1684	502	0.71	0.71	3	20	660	38	2142	334	0.74	9	13	640	53	1902	471	0.71	38	
10	2	5	693	32	2396	508	0.72	0.72	1	7	657	-	2230	-	0.79	4	6	663	43	2210	400	0.75	33	
11	2	5	659	5	2285	304	0.80	-	-	-	-	-	-	-	-	3	4	651	13	2107	376	0.76	-	
12	2	5	604	33	1796	161	0.82	-	-	-	-	-	-	-	-	3	4	652	87	2290	865	0.81	-	
13	1	2	849	-	4655	-	0.76	-	-	-	-	-	-	-	-	1	1	849	-	4655	-	0.76	-	
15	1	2	660	-	2455	-	0.85	-	-	-	-	-	-	-	-	1	1	660	-	2455	-	0.85	-	
TOTAL	44		594	81	1631	755	0.73		15		610	69	1762	559	0.76	68		603	77	1701	708	0.74	25	
MEAN																								
MEAN AGE			8.0							7.3							8.0							

Table 39. Biological data by age class for northern pike taken by the 89 mm mesh of survey gillnets during the summer of 1996 from the Resolution Bay area of Great Slave Lake, NT.

AGE (y)	MALES					FEMALES					TOTAL					%						
	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K	Length(mm)		Weight(g)		K							
	n	%	mean	SD		n	%	mean	SD		n	%	mean	SD								
4	1	3	470	-	720	-	1	10	552	-	1310	-	0.78	2	4	511	58	1015	417	0.74	50	
5	4	13	487	14	784	158	1	10	545	-	2080	-	1.28	5	11	499	29	1043	596	0.80	20	
6	5	16	569	51	1319	321	2	20	540	49	1018	258	0.64	7	16	560	48	1233	318	0.69	29	
7	7	22	561	56	1308	500	2	20	540	49	1123	251	0.71	10	22	554	50	1305	438	0.74	22	
8	9	28	563	44	1299	333	2	20	590	16	1555	205	0.76	12	27	571	40	1361	312	0.72	18	
9	3	9	612	73	1703	694	1	10	633	-	1970	-	0.78	4	9	617	61	1770	582	0.73	25	
10	1	3	715	-	2755	-	1	10	657	-	2230	-	0.79	3	7	661	53	2368	469	0.78	50	
11	1	3	655	-	2500	-	-	-	-	-	-	-	-	1	2	655	-	2500	-	0.89	-	
12	1	3	580	-	1682	-	-	-	-	-	-	-	-	1	2	580	-	1682	-	0.86	-	
TOTAL	32		564	64	1372	548	10		573	49	1498	478	0.78	45		567	59	1407	517	0.74	24	
MEAN																						
MEAN AGE			7.3					7.0							7.3							

Table 42. Symptoms and diagnoses of diseased fishes collected from Resolution Bay, Great Slave Lake, NT, in 1996.

SPECIES	FORK LENGTH (mm)	ROUND WEIGHT (g)	SYMPTOMS OBSERVED	DIAGNOSIS
burbot	496	730	2 lesions (2-3 mm dia.) on left flank	A variety of lesions and epithelial abrasions. Pseudomonads are common opportunistic waterborne pathogens that can cause the types of lesions observed in these fish. When these, and other opportunistic waterborne organisms, gain access to the fish via abrasions or other wound-type injuries they can produce necrosis (i.e. kill tissue) and an inflammatory response. <u>Pseudomonas paucimobilia</u> was the predominant bacterial species isolated from these fish.
	509	600	epithelial necrosis dorsal to operculum on left side	
	531	800	3 lesions (0.5-1.5 mm dia.) on the head, left flank, and caudal areas	
	559	960	2 lesions (20 mm dia.) on left operculum	
	-	-	lesion dorsal to operculum on right side	
longnose sucker	461	1220	flank lesion, left side lateral surface	Pseudomonas spp. were isolated from one of the affected burbot. Pseudomonas has been implicated in a similar condition observed in cultured salmonids. On gross examination, the inflamed oral cavity resembles enteric redmouth disease which is caused by <u>Yersinia ruckeri</u> .
	528	1900	lesion on right flank between dorsal and anal fins	
lake whitefish	-	-	small red lesions in scale pockets on flanks and ventral surface	
burbot	508	730	inflammation of palatine teeth area	
	530	800		
	530	940		
burbot	503	760	pale, discoloured liver	Tests for bacteria were negative. This suggests that the condition may be related to diet (e.g. high fat) or to other causes. Toxicological analyses or properly fixed tissue for histopathological study might provide a clear cause.
	133	2390		
longnose sucker	345	760	horizontal curvature of the spine	Scoliosis.
lake whitefish	-	-	mottled reddish-brown discoloration of the adipose tissue of the viscera	Cause unknown,
cisco	241	130	Raise fluid-filled lump (~20 mm dia.) on right mid-flank, posterior to operculum. Contents pearly-white in colour and oily in appearance.	Cause unknown. Parasites were not found. An unidentified bacterium was isolated from the oily fluid but it is not known whether it was responsible for the fluid production.

Appendix 1. Harvests by the Fort Resolution Aboriginal food fishery from Resolution Bay of Great Slave Lake during the 1994-97 fishing seasons.

SPECIES	NUMBER OF FISH LANDED (estimated weight in kg)			
	1994/5 ^a	1995/6 ^b	1996/7 ^c	1997/8 ^d
burbot	1,368 (2,736)	4,157 (8,314)	1,732 (3,464)	3,215 (6,430)
inconnu	568 (1,704)	570 (1,710)	27 (108)	265 (1,060)
lake cisco	0	995 (995)	918 (459)	202 (101)
lake trout	0	18 (54)	0	0
lake whitefish	3,040 (3,040)	4,842 (4,842)	3,410 (3,410)	5,329 (5,329)
northern pike	2,717 (5,434)	1,727 (3,454)	1,681 (3,362)	816 (1,632)
sucker (longnose and white)	2,005 (3,008)	2,785 (4,177)	2,295 (2,295)	3,664 (3,664)
walleye	113 (113)	487 (487)	228 (228)	218 (218)
other	19 (19)	0	0	0
TOTAL	9830 (16054)	15581 (24033)	10291 (13326)	13709 (18434)

^a These data, collected between 15 June and 21 October 1994, represent an unknown percentage of the total annual harvest from Resolution Bay (DFO 1996).

^b These data, collected between 1 April 1995 and 31 March 1996, represent the total annual harvest ($\pm 10\%$) from Resolution Bay (DFO 1997).

^c These data, collected between 5 June 1996 and 31 March 1997, represent an estimated 90% of the total annual harvest from Resolution Bay (DFO 1998).

^d These data, collected between 2 June 1997 and 31 March 1998, represent an estimated 90% of the total annual harvest from Resolution Bay (G. Low, unpubl. data).

Appendix 2. Harvests by the Fort Resolution Aboriginal food fishery from the Little Buffalo River during the 1994-97 fishing seasons.

SPECIES	NUMBER OF FISH LANDED (estimated weight in kg)			
	1994/5 ^a	1995/6 ^b	1996/7 ^c	1997/8 ^d
burbot	46 (92)	0	1 (2)	96 (192)
inconnu	3 (9)	0	0	0
lake whitefish	9,034 (8,040)	10,327 (10,327)	5,514 (5,514)	7,700 (7,700)
northern pike	8,405 (16,810)	1,054 (2,108)	4,895 (9,790)	449 (898)
sucker (longnose and white)	75 (113)	5 (5)	0	81 (81)
walleye	1 (1)	151 (151)	5 (5)	34 (34)
other	2 (2)	0	0	0
TOTAL	17566 (25,067)	11537 (12591)	10415 (15311)	8360 (8905)

^a These data, collected between 22 September and 21 October 1994, represent an estimated 90% of the total annual harvest from the Little Buffalo River (DFO 1996).

^b These data, collected between 22 September and 21 October 1995, represent an estimated 90% of the total annual harvest from the Little Buffalo River (DFO 1997).

^c These data, collected between 21 September and 20 October 1996, represent an estimated 90% of the total annual harvest from the Little Buffalo River (DFO 1998).

^d These data, collected between 20 September and 21 October 1997, represent an estimated 90% of the total annual harvest from the Little Buffalo River (G. Low, unpubl. data).

Appendix 3. Location and physical description of sampling sites when gillnets were set and pulled.

Site #	Coordinates	Set date (time)	Pull date (time)	Wind direction + velocity (km/h)	Wave height (m)	Cloud cover (%)	Air temperature (°C)	Depth (m)	Water temperature (°C)					
									Surface	1 m	2 m	3 m	4 m	5 m
1	61°08.705'N, 113°45.892'W	24 June (1615 h)		0	0	0	22.1	4-5	22.3	12.7	11.8	11.2	10.2	8.5
			25 June (1045 h)	S15	0.6	0'	15.4		16.0	14.6	14.3	13.4	13.3	11.6
	61°08.766'N, 113°45.988'W	25 June (1030 h)		S15	0.6	0'	15.4	4-5	16.0	14.6	14.3	13.4	13.3	11.6
			26 June (0810 h)	SSE15	0.3	0'	16.4		14.6	13.9	13.4	13.1	12.8	12.7
	61°08.766'N, 113°45.988'W	26 June (1015 h)		SSE15	0.3	0'	16.4	4-5	14.6	13.9	13.4	13.1	12.8	12.7
		27 June (1010 h)	SE15	0.5	0'	15.8	12.5		12.5	12.5	12.4	12.4	12.4	12.4
2	61°08.766'N, 113°45.988'W	27 June (0812 h)		SE15	0.5	0'	15.8	6	12.5	12.5	12.5	12.4	12.4	12.4
			28 June (0813 h)	SE10	0.3	60	14.5	13.3	13.2	13.1	12.8	12.8	12.4	12.4
3	61°08.994'N, 113°46.373'W	3 July (0900 h)		SSW25	1.0	100'	12.5	4-6	13.3	13.3	13.3	13.3	13.3	-
			4 July (0930 h)	0	0	0'	15.4		16.2	14.7	14.5	14.4	13.7	13.6
3	61°08.664'N, 113°47.467'W	4 July (0830 h)		0	0	0'	15.4	7.5-8.5	15.0	14.3	13.4	13.3	13.2	13.3
				5 July (0825 h)	E25	0.6	100		15.4	14.1	14.0	14.0	13.9	12.9
4	61°08.873'N, 113°45.615'W	8 July (0900 h)		S25	0.6	70	16.2	8-9	13.1	13.1	13.1	13.1	13.1	13.1
				9 July (0825 h)	S5	0.3	15		16.6	14.2	14.1	14.0	14.0	13.8
5	61°06.919'N, 113°47.484'W	9 July (0825 h)		S5	0.3	15	16.6	10	14.2	14.1	14.0	14.0	13.8	13.4
				10 July (0826 h)	E10	0.2	40		16.9	14.9	14.7	14.7	14.3	12.8

Appendix 3. Continued.

Site #	Coordinates	Set date (time)	Pull date (time)	Wind direction + velocity (km/h)	Wave height (m)	Cloud cover (%)	Air temperature (°C)	Depth (m)	Water temperature (°C)					
									Surface	1 m	2 m	3 m	4 m	5 m
6	61°05.053'N, 113°49.429'W	10 July (0754 h)		E10	0.2	40	16.9	4-9	14.9	14.9	14.8	14.5	12.8	12.3
			11 July (1600 h)	NW10	0.3	80	18.4		15.4	15.1	14.5	14.4	14.4	14.2
7	61°02.617'N, 113°52.728'W	11 July (1425 h)		NW10	0.3	80	18.4	8	15.4	15.1	14.5	14.4	14.4	14.2
			12 July (1400 h)	NW35	3.3	-	-		-	-	-	-	-	-
8	61°07.812'N, 113°41.388'W	15 July (1000 h)		NE15	0.6	10	15.1	6	15.1	15.1	15.1	15.1	15.1	15.1
			16 July (0930 h)	NE15	0.6	30	12.2		10.7	10.7	10.7	10.7	10.6	10.6
9	61°06.193'N, 113°42.373'W	16 July (0755 h)		NE15	0.6	30	12.2	6	10.7	10.7	10.7	10.7	10.6	10.6
			17 July (0930 h)	E10	0.2	0	13.2		12.4	12.4	12.3	12.1	7.0	6.7
10	61°05.404'N, 113°43.394'W	17 July (0747 h)		E10	0.2	0	13.2	6.5	12.0	11.9	11.7	11.4	6.7	6.4
			18 July	E5-10	0.2	40	13.9		12.6	12.5	12.4	12.3	12.0	6.9
11	61°03.641'N, 113°46.138'W	18 July (0815 h)		E5-10	0.2	40	13.9	6.5	11.7	11.6	11.6	11.6	6.7	6.5
			19 July (0800 h)	NE10-15	0.3	100	14.2		11.8	11.8	11.7	10.7	7.1	6.7
12	61°08.108'N, 113°51.614'W	6 August (1100 h)		NE20-25	1.0	100	11.7	12	12.1	12.0	12.0	11.7	11.7	9.6
			6 August (0820 h)	0	0.6	100	11.1		10.1	9.9	8.8	8.5	8.1	6.7
13	61°08.003'N, 113°53.887'W	7 August (0755 h)		0	0.6	100	11.1	12	9.3	9.3	9.3	9.3	9.0	8.8
			8 August (1130 h)	W10	0.5	40	11.2		10.8	10.7	10.5	10.1	9.6	9.4

Appendix 3. Continued.

Site #	Coordinates	Set date (time)	Pull date (time)	Wind direction + velocity (km/h)	Wave height (m)	Cloud cover (%)	Air temperature (°C)	Depth (m)	Water temperature (°C)					
									Surface	1 m	2 m	3 m	4 m	5 m
14	61°07.928'N, 113°56.926'W	8 August (1000 h)		W10	0.5	40	11.2	12	8.2	8.2	8.1	8.0	8.0	7.8
			9 August (0805 h)	SE-10	0.5	90	12.2		10.6	10.6	10.4	8.7	7.8	7.8
15	61°07.953'N, 113°47.841'W	12 August (0910 h)		SE-10	0.3	90	15.4	>5	12.5	12.5	12.5	12.3	11.5	10.8
			14 August (1015 h)	N10-15	0.6	50	13.7		12.2	12.2	12.1	12.1	12.1	12.0
16	61°08.873'N, 113°47.436'W	14 August (0935 h)		N10-15	0.6	50	13.7	>5	16.0	16.0	15.9	15.5	15.3	14.8
			15 August (1330 h)	W5	0.2	0	15.4		14.0	13.8	13.6	11.7	11.4	11.3
17	61°08.128'N, 113°41.215'W	15 August (1230 h)		W5	0.2	0	15.4	4-5	15.9	14.9	14.7	14.6	14.0	13.4
			16 August (0845 h)	E5	0.2	0	12.1		13.5	13.5	13.5	13.4	13.4	12.2
18	61°11.744'N, 113°47.610'W	19 August (1155 h)		0	0	25	16.9	>5	14.3	13.3	13.2	13.1	11.7	7.2
			22 August (0915 h)	SE15-20	1	15	-		-	-	-	-	-	-
19	61°09.685'N, 113°41.113'W	22 August (1200 h)		W10	0.3	100	12.6	>5	12.7	12.8	12.7	12.7	12.7	12.7
			23 August (0820 h)	W10	0.3	100	12.6		12.7	12.8	12.7	12.7	12.7	12.7

¹ smoke
 a "-" indicates that no data are available, generally due to rough water.

Appendix 4. Biological data from fish collected at Resolution Bay, Great Slave Lake, NT, 26 June - 23 August 1996, organized by species, collection date, sampling site, and gillnet mesh (stretched measure).

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition
							Fin	Otolith	Factor
BURBOT (<i>Lota lota</i>)									
250696	1	114 mm	BRO01	590	1355	m		10	0.66
250696	1	114 mm	BRO02	635	1727	m		17	0.67
250696	1	114 mm	BRO03	592	1291	m		10	0.62
250696	1	114 mm	BRO04	530	1055	m		12	0.71
250696	1	114 mm	BRO05	526	1164	m		12	0.80
250696	1	114 mm	BRO06	541	1091	m		8	0.69
260696	1	133 mm	BRO07	730	2809	m		18	0.72
260696	1	133 mm	BRO08	688	1973	m		14	0.61
260696	1	133 mm	BRO09	675	2345	m		13	0.76
260696	1	133 mm	BRO10	706	2618	m		18	0.74
260696	1	133 mm	BRO11	726	2155	m		14	0.56
260696	1	133 mm	BRO12	336	255	m		4	0.67
260696	1	114 mm	BRO13	597	1318	m		11	0.62
260696	1	114 mm	BRO14	661	1500	m		13	0.52
260696	1	114 mm	BRO15	626	1445	m		14	0.59
260696	1	114 mm	BRO16	774	3891	m		15	0.84
260696	1	114 mm	BRO17	578	1427	m		13	0.74
260696	1	114 mm	BRO18	620	1664	m		9	0.70
260696	1	114 mm	BRO19	604	1373	m		9	0.62
260696	1	114 mm	BRO20	625	1455	m		11	0.60
260696	1	114 mm	BRO21	590	1127	m		16	0.55
260696	1	114 mm	BRO22	533	1064	m		10	0.70
260696	1	114 mm	BRO23	509	791	m		11	0.60
260696	1	114 mm	BRO24	602	1455	m		10	0.67
260696	1	114 mm	BRO25	606	1473	m		12	0.66
260696	1	114 mm	BRO26	605	1400	m		13	0.63
260696	1	114 mm	BRO27	596	1600	m		11	0.76
260696	1	114 mm	BRO28	645	1536	m		12	0.57
260696	1	114 mm	BRO29	665	1782	m		10	0.61
260696	1	89 mm	BRO30	486	727	m		11	0.63
260696	1	89 mm	BRO31	468	736	m		8	0.72
260696	1	89 mm	BRO32	483	773	m		10	0.69
260696	1	89 mm	BRO33	493	764	m			0.64
260696	1	89 mm	BRO34	502	927	m		8	0.73
260696	1	89 mm	BRO35	380	391	m		5	0.71
260696	1	89 mm	BRO36	548	891	m		11	0.54
260696	1	89 mm	BRO37	482	782	m		8	0.70
260696	1	89 mm	BRO38	500	827	m		8	0.66
260696	1	89 mm	BRO39	359	300	m		4	0.65
260696	1	89 mm	BRO40	414	336	m		6	0.47
260696	1	89 mm	BRO41	506	782	m		10	0.60
260696	1	89 mm	BRO42	468	709	m		8	0.69
260696	1	89 mm	BRO43	507	755	m		9	0.58
260696	1	89 mm	BRO44	465	682	m		10	0.68
260696	1	89 mm	BRO45	438	636	m		6	0.76
260696	1	89 mm	BRO46	524	755	m		10	0.52
260696	1	89 mm	BRO47	484	627	m		7	0.55
260696	1	89 mm	BRO48	534	764	m		13	0.50

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
260696	1	89 mm	BR049	496	818	m		9	0.67
260696	1	89 mm	BR050	488	682	m		8	0.59
260696	1	89 mm	BR051	509	836	m		9	0.63
260696	1	89 mm	BR052	495	709	m		10	0.58
260696	1	89 mm	BR053	465	627	m			0.62
260696	1	89 mm	BR054	500	782	m			0.63
260696	1	89 mm	BR055	512	864	m		9	0.64
260696	1	89 mm	BR056	489	764	m		8	0.65
260696	1	89 mm	BR057	470	600				0.58
260696	1	89 mm	BR058	501	727				0.58
260696	1	89 mm	BR059	480	773				0.70
260696	1	89 mm	BR060	469	709				0.69
260696	1	89 mm	BR061	495	773				0.64
260696	1	89 mm	BR062	462	636				0.65
260696	1	89 mm	BR063	525	845				0.58
260696	1	89 mm	BR064	542	1000				0.63
260696	1	89 mm	BR065	491	700				0.59
260696	1	89 mm	BR066	540	955				0.61
260696	1	89 mm	BR067	509	882				0.67
260696	1	89 mm	BR068	495	718				0.59
260696	1	89 mm	BR069	514	827				0.61
260696	1	89 mm	BR070	446	827				0.93
260696	1	89 mm	BR071	510	782				0.59
260696	1	89 mm	BR072	514	773				0.57
260696	1	89 mm	BR073	475	627				0.59
260696	1	89 mm	BR074	500	764				0.61
260696	1	89 mm	BR075	532	1018				0.68
260696	1	89 mm	BR076	493	864				0.72
260696	1	89 mm	BR077	503	864				0.68
260696	1	89 mm	BR078	491	764				0.65
260696	1	89 mm	BR079	465	591				0.59
260696	1	89 mm	BR080	474	755				0.71
260696	1	89 mm	BR081	470	700				0.67
260696	1	89 mm	BR082	525	864				0.60
260696	1	89 mm	BR083	500	864				0.69
260696	1	89 mm	BR084	358	282				0.61
260696	1	89 mm	BR085	496	818				0.67
260696	1	89 mm	BR086	422	509				0.68
260696	1	89 mm	BR087	463	682				0.69
260696	1	89 mm	BR088	358	327				0.71
260696	1	89 mm	BR089	534	900				0.59
260696	1	89 mm	BR090	481	864				0.78
260696	1	89 mm	BR091	472	682				0.65
260696	1	89 mm	BR092	500	736				0.59
260696	1	89 mm	BR093	470	645				0.62
260696	1	89 mm	BR094	489	709				0.61
260696	1	89 mm	BR095	505	718				0.56
260696	1	89 mm	BR096	450	636				0.70
260696	1	89 mm	BR096	510	709				0.53
260696	1	89 mm	BR098	508	809				0.62

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
260696	1	89 mm	BR099	494	755				0.63
260696	1	89 mm	BR100	454	627				0.67
270696	1	89 mm	BR101	684	2410	m		20	0.75
270696	1	89 mm	BR102	545	750	m			0.46
270696	1	89 mm	BR103	530	820	m		13	0.55
270696	1	89 mm	BR104	546	840	m		8	0.52
270696	1	89 mm	BR105	521	890	f		10	0.63
270696	1	89 mm	BR106	506	910	m		15	0.70
270696	1	89 mm	BR107	422	570	m			0.76
270696	1	89 mm	BR108	481	740	m		7	0.66
270696	1	89 mm	BR109	496	680	m		8	0.56
270696	1	89 mm	BR110	510	830	m		8	0.63
270696	1	89 mm	BR111	442	720	m		9	0.83
270696	1	89 mm	BR112	497	830	m		10	0.68
270696	1	89 mm	BR113	499	730	m		6	0.59
270696	1	89 mm	BR114	496	800	m		8	0.66
270696	1	89 mm	BR115	490	760	m		9	0.65
270696	1	89 mm	BR116	470	630	m		5	0.61
270696	1	89 mm	BR117	514	830			9	0.61
270696	1	89 mm	BR118	501	720	m		9	0.57
270696	1	89 mm	BR119	515	780	m		9	0.57
270696	1	89 mm	BR120	467	690				0.68
270696	1	89 mm	BR121	528	860				0.58
270696	1	89 mm	BR122	531	970				0.65
270696	1	89 mm	BR123	549	910				0.55
270696	1	89 mm	BR124	485	740				0.65
270696	1	89 mm	BR125	504	800				0.62
270696	1	89 mm	BR126	528	980				0.67
270696	1	89 mm	BR127	494	780				0.65
270696	1	89 mm	BR128	464	670				0.67
270696	1	89 mm	BR129	430	530				0.67
270696	1	89 mm	BR130	556	990				0.58
270696	1	89 mm	BR131	464	720				0.72
270696	1	89 mm	BR132	481	750				0.67
270696	1	89 mm	BR133	561	1150				0.65
270696	1	89 mm	BR134	501	780				0.62
270696	1	89 mm	BR135	514	810				0.60
270696	1	89 mm	BR136	477	790				0.73
270696	1	89 mm	BR137	462	670				0.68
270696	1	89 mm	BR138	519	930				0.67
270696	1	89 mm	BR139	455	750				0.80
270696	1	89 mm	BR140	521	870				0.62
270696	1	89 mm	BR141	506	860				0.66
270696	1	89 mm	BR142	483	760				0.67
270696	1	89 mm	BR143	445	600				0.68
270696	1	89 mm	BR144	472	700				0.67
270696	1	114 mm	BR145	644	1520	m		11	0.57
270696	1	114 mm	BR146	611	1560	m		11	0.68
270696	1	114 mm	BR147	659	2050	m		13	0.72
270696	1	114 mm	BR148	635	1800	m		11	0.70

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
270696	1	114 mm	BR149	622	1430	m		13	0.59
270696	1	114 mm	BR150	618	1620	m		13	0.69
270696	1	114 mm	BR151	555	1300	f		12	0.76
270696	1	114 mm	BR152	522	960	m		8	0.67
270696	1	133 mm	BR153	685	2240	m		12	0.70
270696	1	133 mm	BR154		3400	m			
270696	1	133 mm	BR155	624	1570	m			0.65
270696	1	133 mm	BR156	715	2410	m		13	0.66
270696	1	133 mm	BR157	639	1830	m		11	0.70
270696	1	133 mm	BR158	731	2440	m		13	0.62
280696	1	89 mm	BR159	430	610				0.77
280696	1	89 mm	BR160	469	660				0.64
280696	1	89 mm	BR161	485	750	m			0.66
280696	1	89 mm	BR162	490	750	m		8	0.64
280696	1	89 mm	BR163	476	680	m		9	0.63
280696	1	89 mm	BR164	445	620	m		8	0.70
280696	1	89 mm	BR165	439	620	m			0.73
280696	1	89 mm	BR166	475	700	m		7	0.65
280696	1	89 mm	BR167	532	970	m		6	0.64
280696	1	89 mm	BR168	503	840	m		8	0.66
280696	1	89 mm	BR169	453	700	m		9	0.75
280696	1	89 mm	BR170	461	660	m		11	0.67
280696	1	89 mm	BR171	509	930	m		10	0.71
280696	1	89 mm	BR172		1340	m		10	
280696	1	89 mm	BR173	511	810	m		10	0.61
280696	1	89 mm	BR174	534	890	f		10	0.58
280696	1	89 mm	BR175	487	790	m		8	0.68
280696	1	89 mm	BR176	555	890	f		14	0.52
280696	1	89 mm	BR177	457	610	m		8	0.64
280696	1	89 mm	BR178	481	750	m			0.67
280696	1	89 mm	BR179	501	750	m		11	0.60
280696	1	89 mm	BR180	500	780	m		13	0.62
280696	1	89 mm	BR181	532	810	m		10	0.54
280696	1	89 mm	BR182	499	800	m			0.64
280696	1	89 mm	BR183	559	940	m			0.54
280696	1	89 mm	BR184	490	800	m		13	0.68
280696	1	89 mm	BR185	500	770	m		13	0.62
280696	1	89 mm	BR186	495	820	m		9	0.68
280696	1	89 mm	BR187	477	720	f		13	0.66
280696	1	89 mm	BR188	431	560	m		7	0.70
280696	1	133 mm	BR189	725	2560	m			0.67
280696	1	133 mm	BR190	765	2420	m			0.54
280696	1	133 mm	BR191	698	2220	m			0.65
280696	1	133 mm	BR192	685	2210	m			0.69
280696	1	133 mm	BR193	704	2390	m			0.68
280696	1	133 mm	BR194	689	2370	m			0.72
280696	1	133 mm	BR195	635	1840	m			0.72
280696	1	133 mm	BR196	668	1970	m			0.66
280696	1	133 mm	BR197	535	940	m			0.61
280696	1	133 mm	BR198	482	630	m			0.56

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
040796	2	89 mm	BR199	500	820	m		8	0.66
040796	2	89 mm	BR200	493	790	m		8	0.66
040796	2	89 mm	BR201	503	760	m		11	0.60
040796	2	89 mm	BR202	515	860	m		9	0.63
040796	2	89 mm	BR203	521	820	m		9	0.58
040796	2	89 mm	BR204	496	740	m		13	0.61
040796	2	89 mm	BR205	470	620	m		8	0.60
040796	2	89 mm	BR206	475	700	m		9	0.65
040796	2	89 mm	BR207	467	610	m		8	0.60
040796	2	89 mm	BR208	520	630	m		9	0.45
040796	2	89 mm	BR209	474	770	m			0.72
040796	2	89 mm	BR210	511	660	m		10	0.49
040796	2	89 mm	BR211	530	820	m		10	0.55
040796	2	89 mm	BR212	441	520	m		10	0.61
040796	2	89 mm	BR213	439	630	m		8	0.74
040796	2	89 mm	BR214	500	690	m		7	0.55
040796	2	89 mm	BR215	439	560	m		6	0.66
040796	2	89 mm	BR216	540	810	m		8	0.51
040796	2	89 mm	BR217	472	670	m		9	0.64
040796	2	89 mm	BR218	499	640	f		13	0.52
040796	2	89 mm	BR219	500	850	m		10	0.68
040796	2	89 mm	BR220	462	710	m		9	0.72
040796	2	89 mm	BR221	511	750	m			0.56
040796	2	89 mm	BR222	473	620	m			0.59
040796	2	89 mm	BR223	414	440	m			0.62
040796	2	89 mm	BR224	522	800	m			0.56
040796	2	89 mm	BR225	550	1110	m			0.67
040796	2	89 mm	BR226	530	700	m			0.47
040796	2	133 mm	BR227	730	2470				0.63
040796	2	133 mm	BR228	658	2350				0.82
040796	2	133 mm	BR229	682	1740	m			0.55
050796	3	89 mm	BR230	475	690	m		12	0.64
050796	3	89 mm	BR231	466	710	m		8	0.62
050796	3	89 mm	BR232	526	860	m		9	0.59
050796	3	89 mm	BR233	483	800	m		7	0.71
050796	3	89 mm	BR234	530	940				0.63
050796	3	89 mm	BR235	410	510	m		9	0.74
050796	3	89 mm	BR236	475	700	m		10	0.65
050796	3	89 mm	BR237	455	670	m		10	0.71
050796	3	89 mm	BR238	531	800				0.53
050796	3	89 mm	BR239	509	600				0.45
050796	3	89 mm	BR240	500	830	m		10	0.66
050796	3	89 mm	BR241	520	830	m		10	0.59
050796	3	89 mm	BR242	476	700	m			0.65
050796	3	89 mm	BR243	508	790	m		8	0.60
050796	3	89 mm	BR244	520	740	f		10	0.53
050796	3	89 mm	BR245	530	800				0.54
050796	3	89 mm	BR246	443	560	m			0.64
050796	3	89 mm	BR247	575	790	f			0.42
050796	3	89 mm	BR248	501	820	m			0.65

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
050796	3	89 mm	BR249	482	690	m			0.62
050796	3	89 mm	BR250	526	860	f			0.59
050796	3	89 mm	BR251	474	700	f			0.66
050796	3	89 mm	BR252	471	670	m			0.64
050796	3	89 mm	BR253	490	720	m			0.61
050796	3	89 mm	BR254	436	500	f			0.60
050796	3	89 mm	BR255	376	370	m			0.70
050796	3	89 mm	BR256	443	540	m			0.62
050796	3	114 mm	BR257	595	1590	m		12	0.75
050796	3	114 mm	BR258	599	1490	m		13	0.69
050796	3	114 mm	BR259	668	1560	f		13	0.52
050796	3	114 mm	BR260	612	1420	m		13	0.62
050796	3	133 mm	BR261	712	2520	m		14	0.70
050796	3	133 mm	BR262	725	2410	m		14	0.63
050796	3	133 mm	BR263	721	2250	f		23	0.60
050796	3	133 mm	BR264	719	2270	m		18	0.61
050796	3	133 mm	BR265	629	1640	m		10	0.66
090796	4	89 mm	BR266	490	650	f		10	0.55
090796	4	89 mm	BR267	470	740	f		10	0.71
090796	4	89 mm	BR268	500	760	f		9	0.61
090796	4	89 mm	BR269	673	1950	m		16	0.64
110796	6	89 mm	BR270	545	920	m		11	0.57
110796	6	89 mm	BR271	500	760	f		8	0.61
110796	6	89 mm	BR272	500	760	m			0.61
110796	6	89 mm	BR273	516	780	f		11	0.57
110796	6	89 mm	BR274	577	890	m		16	0.46
110796	6	89 mm	BR275	486	740	m		11	0.64
110796	6	89 mm	BR276	537	990	f		8	0.64
110796	6	89 mm	BR277	508	730			11	0.56
110796	6	89 mm	BR278	439	610	m		7	0.72
120796	7	89 mm	BR279	460	610	f		7	0.63
120796	7	89 mm	BR280	460	610	f		11	0.63
120796	7	89 mm	BR281	455	570	m		8	0.61
120796	7	89 mm	BR282	520	740	f		8	0.53
120796	7	89 mm	BR283	525	830	f		12	0.57
120796	7	89 mm	BR284	471	680	f		8	0.65
120796	7	89 mm	BR285	513	810	f		11	0.60
120796	7	89 mm	BR286	509	750	m		10	0.57
120796	7	89 mm	BR287	495	690	f		8	0.57
120796	7	89 mm	BR288	491	680	m		10	0.57
120796	7	89 mm	BR289	441	630	m		10	0.73
120796	7	89 mm	BR290	474	670	m		12	0.63
120796	7	114 mm	BR291	621	1400	f		12	0.58
120796	7	114 mm	BR292	651	1620	m		13	0.59
160796	8	89 mm	BR295	476	740	f		10	0.69
160796	8	89 mm	BR296	428	520	m		12	0.66
160796	8	89 mm	BR297	533	830			9	0.55
160796	8	89 mm	BR298	453	580	m			0.62
160796	8	89 mm	BR299	446	600	f		6	0.68
160796	8	89 mm	BR300	509	740	f		9	0.56

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
160796	8	89 mm	BR301	517	960	f		10	0.69
160796	8	89 mm	BR302	500	760	f		9	0.61
160796	8	89 mm	BR303	479	720	f		8	0.66
160796	8	89 mm	BR304	492	710	f		6	0.60
160796	8	89 mm	BR305	513	780	f		8	0.58
160796	8	89 mm	BR306	519	810	f		9	0.58
160796	8	89 mm	BR307	465	560	m		13	0.56
160796	8	89 mm	BR308	479	800	m		8	0.73
160796	8	89 mm	BR309	486	820	m		7	0.71
160796	8	114 mm	BR310	602	1480	m		12	0.68
160796	8	114 mm	BR311	612	1390	f		12	0.61
160796	8	133 mm	BR312	670	2150	f		16	0.71
170796	9	89 mm	BR313	530	880	f		12	0.59
170796	9	89 mm	BR314	484	710	f		9	0.63
170796	9	89 mm	BR315	514	780	m		15	0.57
170796	9	89 mm	BR316	548	920	f		9	0.56
170796	9	89 mm	BR317	454	660	m		8	0.71
170796	9	89 mm	BR318	500	830	f		8	0.66
170796	9	89 mm	BR319	522	820	f		11	0.58
170796	9	89 mm	BR320	534	800	f		12	0.53
170796	9	89 mm	BR321	516	790	m		8	0.58
170796	9	89 mm	BR322	505	760	f		8	0.59
170796	9	89 mm	BR323	523	850	f		10	0.59
170796	9	89 mm	BR324	521	870	f		12	0.62
170796	9	89 mm	BR325	494	750	f		12	0.62
170796	9	89 mm	BR326	489	640	f		5	0.55
170796	9	89 mm	BR327	408	420	f		7	0.62
170796	9	89 mm	BR328	532	860	f		6	0.57
170796	9	114 mm	BR329	642	1460	f		15	0.55
170796	9	114 mm	BR330	646	1550	f		13	0.57
170796	9	114 mm	BR331	600	1260	f		15	0.58
180796	10	89 mm	BR332	549	960	f		11	0.58
180796	10	89 mm	BR333	556	1060	f		13	0.62
180796	10	89 mm	BR334	518	790	f		13	0.57
180796	10	89 mm	BR335	445	640	f		13	0.73
180796	10	89 mm	BR336	507	790	m		14	0.61
180796	10	89 mm	BR337	426	510	m		8	0.66
180796	10	89 mm	BR338	484	640	m		12	0.56
180796	10	89 mm	BR339	489	700	f		10	0.60
180796	10	89 mm	BR340	448	630	m		10	0.70
180796	10	114 mm	BR341	594	1350	f		13	0.64
180796	10	114 mm	BR342	609	1300	f		14	0.58
180796	10	114 mm	BR343	612	1470	f		18	0.64
180796	10	114 mm	BR344	635	1430	f		14	0.56
180796	10	133 mm	BR345	878	5020	m		22	0.74
190796	11	89 mm	BR346	513	840	f			0.62
190796	11	89 mm	BR347	518	900	f		10	0.65
190796	11	89 mm	BR348	506	800	m		10	0.62
190796	11	89 mm	BR349	475	800	m		10	0.75
190796	11	89 mm	BR350	496	730				0.60

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
190796	11	89 mm	BR351	548	1100	f		11	0.67
190796	11	89 mm	BR352	470	660	m		10	0.64
190796	11	89 mm	BR353	492	780	f		7	0.65
190796	11	89 mm	BR354	522	730	f		12	0.51
190796	11	89 mm	BR355	487	700	f		12	0.61
190796	11	89 mm	BR356	535	990	f		13	0.65
190796	11	89 mm	BR357	515	840	f		10	0.61
190796	11	89 mm	BR358	479	730	m		10	0.66
190796	11	89 mm	BR359	532	880	m		13	0.58
190796	11	89 mm	BR360	540	960	f		8	0.61
190796	11	89 mm	BR361	560	950	f		16	0.54
190796	11	89 mm	BR362	480	740	m			0.67
190796	11	89 mm	BR363	485	760	m			0.67
190796	11	89 mm	BR364	472	770	m			0.73
190796	11	89 mm	BR365	511	860	f			0.64
190796	11	89 mm	BR366	506	800	f			0.62
190796	11	89 mm	BR367	468	760	m			0.74
190796	11	89 mm	BR368	495	880	f			0.73
190796	11	89 mm	BR369	448	700	f			0.78
190796	11	89 mm	BR370	507	720	f			0.55
190796	11	89 mm	BR371	469	610	f			0.59
190796	11	89 mm	BR372	446	540	f			0.61
190796	11	89 mm	BR373	465	660	f			0.66
190796	11	89 mm	BR374	475	710	m			0.66
190796	11	114 mm	BR375	587	1110	f		12	0.55
190796	11	114 mm	BR376	591	1520	f		14	0.74
190796	11	133 mm	BR377	692	2150	m		13	0.65
070896	12	133 mm	BR378	591	1940	f		13	0.94
070896	12	133 mm	BR379	732	2550	f		13	0.65
070896	12	89 mm	BR380	456	760	f		6	0.80
070896	12	89 mm	BR381	461	620	f		10	0.63
070896	12	89 mm	BR382	518	940	m		13	0.68
070896	12	89 mm	BR383	574	920	f		12	0.49
070896	12	89 mm	BR384	546	850	f		13	0.52
070896	12	89 mm	BR385	421	540	f		7	0.72
070896	12	89 mm	BR386	479	730	f		9	0.66
080896	13	89 mm	BR387	409	460	m		5	0.67
080896	13	89 mm	BR388	470	740	f		9	0.71
080896	13	89 mm	BR389	430	590	m		11	0.74
080896	13	89 mm	BR390	427	550	f		8	0.71
080896	13	89 mm	BR391	458	590	f		9	0.61
080896	13	89 mm	BR392	436	600	m		9	0.72
080896	13	89 mm	BR393	439	600	m			0.71
080896	13	89 mm	BR394	486	730	m		14	0.64
080896	13	89 mm	BR395	545	890				0.55
080896	13	89 mm	BR396	465	700	f		11	0.70
080896	13	89 mm	BR397	486	720	m		13	0.63
080896	13	89 mm	BR398	526	830	f		12	0.57
080896	13	89 mm	BR399	492	940	m		11	0.79
080896	13	114 mm	BR400	545	1180	f		11	0.73

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
080896	13	114 mm	BR401	697	2200	m		19	0.65
080896	13	114 mm	BR402	616	1570	m		19	0.67
080896	13	133 mm	BR403	638	2050	f		11	0.79
090896	14	89 mm	BR404	452	670	m		8	0.73
090896	14	89 mm	BR405	524	790	f		10	0.55
090896	14	89 mm	BR406	544	990	m			0.61
090896	14	89 mm	BR407	448	580	f		10	0.65
090896	14	89 mm	BR408	514	830	m		14	0.61
090896	14	89 mm	BR409	434	600	f		10	0.73
090896	14	89 mm	BR410	478	640	f		10	0.59
090896	14	89 mm	BR411	485	720	m		8	0.63
090896	14	89 mm	BR412	520	880	m		12	0.63
090896	14	89 mm	BR413	573	870	f		9	0.46
090896	14	89 mm	BR414	524	850	f		11	0.59
090896	14	89 mm	BR415	555	860	f		11	0.50
090896	14	89 mm	BR416	526	840	f		11	0.58
090896	14	89 mm	BR417	471	760	f		9	0.73
090896	14	89 mm	BR418	460	630	f			0.65
090896	14	89 mm	BR419	472	670	m			0.64
090896	14	89 mm	BR420	477	700	f			0.64
090896	14	89 mm	BR421	475	700	f			0.65
090896	14	89 mm	BR422	480	750	m			0.68
090896	14	89 mm	BR423	511	770	f			0.58
090896	14	89 mm	BR424	526	930	m			0.64
090896	14	89 mm	BR425	470	670	m			0.65
090896	14	89 mm	BR426	467	620	f			0.61
090896	14	89 mm	BR427	450	610	m			0.67
090896	14	89 mm	BR428	450	590	f			0.65
090896	14	89 mm	BR429	436	570	m			0.69
090896	14	89 mm	BR430	485	610	m			0.53
090896	14	89 mm	BR431	446	660	m			0.74
090896	14	89 mm	BR432	462	620	m			0.63
090896	14	89 mm	BR433	518	880	f			0.63
090896	14	114 mm	BR434	655	1680	f		15	0.60
090896	14	114 mm	BR435	648	1590	f		14	0.58
090896	14	114 mm	BR436	694	2120	f		16	0.63
090896	14	133 mm	BR437	587	1220	m		16	0.60
140896	15	89 mm	BR438	559	960				0.55
140896	15	89 mm	BR439	539	960	f		10	0.61
140896	15	89 mm	BR440	526	770	f		8	0.53
140896	15	89 mm	BR441	474	650	f		8	0.61
140896	15	89 mm	BR442	455	655				0.70
140896	15	89 mm	BR443	518	740	f		12	0.53
140896	15	89 mm	BR444	457	560	m		11	0.59
140896	15	89 mm	BR445	506	720	f		8	0.56
140896	15	89 mm	BR446	475	580	m		7	0.54
140896	15	89 mm	BR447	480	610	f		9	0.55
140896	15	89 mm	BR448	521	810	m		8	0.57
140896	15	89 mm	BR449	532	1000	f		11	0.66
140896	15	89 mm	BR450	500	780	m		7	0.62

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
140896	15	114 mm	BR451	526	880	m			0.60
140896	15	133 mm	BR452	792	3270	f		20	0.66
140896	15	133 mm	BR453	703	2280	f		24	0.66
140896	15	133 mm	BR454	719	2850	f		12	0.77
150896	16	89 mm	BR455	550	930	f		14	0.56
150896	16	89 mm	BR456	499	730	m		10	0.59
150896	16	89 mm	BR457	620	1480	f		13	0.62
150896	16	89 mm	BR458	473	680	f		8	0.64
150896	16	89 mm	BR459	477	840	f		13	0.77
150896	16	89 mm	BR460	485	700	f		8	0.61
150896	16	89 mm	BR461	540	830	f		13	0.53
150896	16	89 mm	BR462	489	660	f		13	0.56
150896	16	89 mm	BR463	540	840	f		13	0.53
150896	16	89 mm	BR464	482	640	m		9	0.57
150896	16	89 mm	BR465	434	500	f		10	0.61
150896	16	89 mm	BR466	495	680	m		11	0.56
150896	16	89 mm	BR467	491	580	f		10	0.49
150896	16	89 mm	BR468	455	710	f		9	0.75
150896	16	89 mm	BR469	490	650	f		8	0.55
150896	16	89 mm	BR470	435	490	f			0.60
150896	16	89 mm	BR471	504	720	m			0.56
150896	16	89 mm	BR472	483	650	f			0.58
150896	16	89 mm	BR473	455	650	m			0.69
150896	16	89 mm	BR474	482	700	f			0.63
150896	16	89 mm	BR475	490	710	m			0.60
150896	16	89 mm	BR476	534	680	m			0.45
150896	16	114 mm	BR477	580	1470			9	0.75
150896	16	114 mm	BR478	615	1490			19	0.64
150896	16	114 mm	BR479	618	1790			11	0.76
150896	16	133 mm	BR480	675	2050	m		19	0.67
150896	16	133 mm	BR481	733	2390	m		19	0.61
160896	17	89 mm	BR482	460	670	f		9	0.69
160896	17	89 mm	BR483	526	810	f		10	0.56
160896	17	89 mm	BR484	472	680	m		9	0.65
160896	17	89 mm	BR485	500	770	f		11	0.62
160896	17	89 mm	BR486	515	780	f		13	0.57
160896	17	89 mm	BR487	478	710	f		12	0.65
160896	17	114 mm	BR488	583	1240	f		13	0.63
160896	17	114 mm	BR489	579	1190	f		11	0.61
160896	17	133 mm	BR490	705	2500	f		13	0.71
230896	19	89 mm	BR540	520	770	f		11	0.55
230896	19	89 mm	BR541	510	930	m		12	0.70
230896	19	89 mm	BR542	530	760	f		19	0.51
230896	19	133 mm	BR543	707	2370	m			0.67

CISCO sp. (*Coregonus* sp.)

260696	1	133 mm	CS001	286	155				0.66
050796	3	89 mm	CS002	193	70	m			0.97
050796	3	89 mm	CS003	165	40	m			0.89

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
090796	4	89 mm	CS004	221	100	f			0.93
110796	6	89 mm	CS005	228	90	m			0.76
110796	6	89 mm	CS006	266	180	f			0.96
120796	7	89 mm	CS007	234	80	m			0.62
120796	7	89 mm	CS008	235	90	m			0.69
120796	7	89 mm	CS009	236	100	m			0.76
120796	7	89 mm	CS010	264	160	f			0.87
120796	7	89 mm	CS035	380	620				1.13
160796	8	89 mm	CS011	395	600	m			0.97
160796	8	89 mm	CS012	191	50	f			0.72
160796	8	133 mm	CS013	217	90	m			0.88
070896	12	89 mm	CS014	187	80				1.22
080896	13	89 mm	CS015	194	100				1.37
080896	13	114 mm	CS016	226	100				0.87
080896	13	133 mm	CS017	192	70				0.99
080896	13	114 mm	CS018	411	830				1.20
080896	13	89 mm	CS019	378	730				1.35
080896	13	89 mm	CS020	397	890				1.42
090896	14	89 mm	CS021	394	700				1.14
090896	14	89 mm	CS022	401	730				1.13
090896	14	89 mm	CS023	224	120				1.07
090896	14	89 mm	CS024	218	100	f			0.97
090896	14	114 mm	CS025	405	820				1.23
090896	14	114 mm	CS026	387	700	m			1.21
090896	14	114 mm	CS027	420	980				1.32
140896	15	89 mm	CS028	205	60				0.70
140896	15	114 mm	CS029	259	160				0.92
140896	15	133 mm	CS030	208	80				0.89
140896	15	133 mm	CS031	238	100				0.74
160896	17	89 mm	CS032	241	130				0.93
160896	17	89 mm	CS033	248	120				0.79
230896	19	89 mm	CS034	354	550	m			1.24
230896	19	89 mm	CS036	366	600				1.22
GOLDEYE (<i>Hiodon alosoides</i>)									
230896	19	89 mm	GE001	298	340	m	10		1.28
230896	19	89 mm	GE002	275	230	m	5		1.11
230896	19	89 mm	GE003	303	270	m	6		0.97
230896	19	89 mm	GE004	313	340	m	10		1.11
230896	19	133 mm	GE005	318	410	f	11		1.27
INCONNU (<i>Stenodus leucichthys</i>)									
280696	1	133 mm	IN001	502	1280	m	4		1.01
050796	3	89 mm	IN002	403	770	m			1.18
230896	19	89 mm	IN003	232	100		2		0.80
230896	19	89 mm	IN004	712	4860		7		1.35
230896	19	89 mm	IN005	770	5010		8		1.10
230896	19	89 mm	IN006	858	7700		9		1.22

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
230896	19	89 mm	IN007	775	5580		8		1.20
230896	19	89 mm	IN008	850	8220		8		1.34
230896	19	133 mm	IN009	778	5540		7		1.18
230896	19	133 mm	IN010	629	2930		6		1.18
230896	19	133 mm	IN011	738	4780		7		1.19

LAKE WHITEFISH (*Coregonus clupeaformis*)

250696	1	114 mm	LW001	375	800	f	9		1.52
250696	1	114 mm	LW002	397	890		9		1.42
250696	1	114 mm	LW003	430	1100	f	11		1.38
250696	1	114 mm	LW004	401	945	f	11		1.47
250696	1	114 mm	LW005	450	977	f	8		1.07
250696	1	114 mm	LW006	365	782	f	6		1.61
250696	1	114 mm	LW007	384	709		10		1.25
250696	1	114 mm	LW008	436	1432	f	11		1.73
250696	1	114 mm	LW009	427	1077	m	12		1.38
250696	1	114 mm	LW010	409	955	m	9		1.40
260696	1	133 mm	LW011	390	864	m	10		1.46
260696	1	133 mm	LW012	422	1109	f	12		1.48
260696	1	89 mm	LW013	360	591	m			1.27
260696	1	89 mm	LW014	380	845	m			1.54
260696	1	89 mm	LW015	381	800	m			1.45
260696	1	89 mm	LW016	332	600	m			1.64
260696	1	89 mm	LW017	392	736	m			1.22
260696	1	89 mm	LW018	324	500	f			1.47
260696	1	89 mm	LW019	370	745	m			1.47
260696	1	89 mm	LW020	401	891	m			1.38
260696	1	89 mm	LW021	387	845	f			1.46
260696	1	89 mm	LW022	335	509	m			1.35
260696	1	114 mm	LW023	388	700	f	13		1.20
260696	1	114 mm	LW024	347	591	m	8		1.41
260696	1	114 mm	LW025	391	818	m	10		1.37
260696	1	114 mm	LW026	375	818	f	10		1.55
260696	1	114 mm	LW027	406	827	f	10		1.24
260696	1	114 mm	LW028	368	664	m	8		1.33
260696	1	114 mm	LW029	432	1445	f	10		1.79
260696	1	114 mm	LW030	390	855	m	5		1.44
260696	1	114 mm	LW031	361	600	f	8		1.28
260696	1	114 mm	LW032	394	764	m			1.25
260696	1	114 mm	LW033	375	818	f			1.55
260696	1	114 mm	LW034	370	791	f	12		1.56
260696	1	114 mm	LW035	398	891	f	9		1.41
270696	1	89 mm	LW036	342	520		4		1.30
270696	1	89 mm	LW037	389	750	m	10		1.27
270696	1	89 mm	LW038	324	430	m	5		1.26
270696	1	89 mm	LW039	349	470	m	8		1.11
270696	1	89 mm	LW040	400	740	f	10		1.16
270696	1	114 mm	LW041	373	870	m	9		1.68
270696	1	114 mm	LW042	381	850	m	9		1.54

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
270696	1	114 mm	LW043	408	900	m	11		1.33
270696	1	133 mm	LW044	410	950	m	11		1.38
280696	1	89 mm	LW045	412	1030	m			1.47
280696	1	89 mm	LW046	390	810	m	11		1.37
280696	1	89 mm	LW047	396	880	f			1.42
280696	1	89 mm	LW048	365	710	m	7		1.46
280696	1	89 mm	LW049	352	680	f	6		1.56
280696	1	89 mm	LW050	347	630	m			1.51
280696	1	89 mm	LW051	345	650	m	9		1.58
280696	1	89 mm	LW052	344	520	f	5		1.28
280696	1	89 mm	LW053	341	540	f	7		1.36
280696	1	89 mm	LW054	317	390	m	6		1.22
280696	1	133 mm	LW055	434	1330	f	13		1.63
280696	1	133 mm	LW056	415	1020	m	10		1.43
040796	2	89 mm	LW057	390	960	m	9		1.62
040796	2	89 mm	LW058	392	1000	f	10		1.66
040796	2	89 mm	LW059	370	730	m	7		1.44
040796	2	89 mm	LW060	391	830		8		1.39
040796	2	89 mm	LW061	394	890	m	12		1.46
040796	2	89 mm	LW062	350	690		7		1.61
040796	2	89 mm	LW063	423	1150	f	9		1.52
040796	2	89 mm	LW064	383	660	m	11		1.17
040796	2	89 mm	LW065	377	790	m	8		1.47
040796	2	89 mm	LW066	347	640	m	7		1.53
040796	2	89 mm	LW067	372	640	f	8		1.24
040796	2	89 mm	LW068	360	560	m	11		1.20
040796	2	89 mm	LW069	305	330	m	7		1.16
040796	2	89 mm	LW070	328	420	m	8		1.19
040796	2	89 mm	LW071	317	420	m	7		1.32
040796	2	89 mm	LW072	312	310	m	7		1.02
040796	2	89 mm	LW073	414	1080	m	12		1.52
040796	2	89 mm	LW074	442	1120	f	10		1.30
040796	2	89 mm	LW075	302	310	m	6		1.13
040796	2	89 mm	LW076	324	350	m	7		1.03
040796	2	133 mm	LW077	412	930	f	12		1.33
040796	2	133 mm	LW078	394	720	f	10		1.18
040796	2	133 mm	LW079	430	1100	f	13		1.38
050796	3	89 mm	LW080	391	860	m	13		1.44
050796	3	89 mm	LW081	425	1340	m	10		1.75
050796	3	89 mm	LW082	371	850	m	8		1.66
050796	3	89 mm	LW083	400	880	m	10		1.38
050796	3	89 mm	LW084	419	1210	f	11		1.64
050796	3	89 mm	LW085	487	1630	f	16		1.41
050796	3	89 mm	LW086	396	920	f	10		1.48
050796	3	89 mm	LW087	329	480	m			1.35
050796	3	89 mm	LW088	313	450	m	7		1.47
050796	3	89 mm	LW089	355	670	m	9		1.50
050796	3	89 mm	LW090	372	700		9		1.36
050796	3	89 mm	LW091	338	490	m	9		1.27
050796	3	89 mm	LW092	384	790	m	10		1.40

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
050796	3	89 mm	LW093	332	800		8		1.64
050796	3	89 mm	LW094	417	1040		10		1.43
050796	3	89 mm	LW095	437	1250	f	15		1.50
050796	3	89 mm	LW096	472	1720	f	16		1.64
050796	3	89 mm	LW097	445	1520	f	14		1.72
050796	3	89 mm	LW098	351	630	m	8		1.46
050796	3	114 mm	LW099	375	750	m	10		1.42
050796	3	114 mm	LW100	369	790	m	12		1.57
050796	3	114 mm	LW101	348	580	f	7		1.38
050796	3	114 mm	LW102	430	1210	f	11		1.52
050796	3	114 mm	LW103	415	970	f	12		1.36
050796	3	114 mm	LW104	387	990	m	10		1.71
050796	3	114 mm	LW105	395	920	m	9		1.49
050796	3	114 mm	LW106	438	1190	f	11		1.42
050796	3	114 mm	LW107	370	850	m	9		1.68
050796	3	114 mm	LW108	414	900	m	7		1.27
050796	3	114 mm	LW109	373	740	f	8		1.43
050796	3	114 mm	LW110	413	1190	f	12		1.69
050796	3	114 mm	LW111	394	1020	m	13		1.67
050796	3	114 mm	LW112	437	1250		13		1.50
050796	3	114 mm	LW113	428	1170	m	9		1.49
050796	3	114 mm	LW114	421	1030	f			1.38
050796	3	114 mm	LW115	326	490	f			1.41
050796	3	114 mm	LW116	391	840	m			1.41
050796	3	114 mm	LW117	356	580	f			1.29
050796	3	114 mm	LW118	352	630	m			1.44
050796	3	114 mm	LW119	327	510	f			1.46
050796	3	114 mm	LW120	326	490	f			1.41
050796	3	114 mm	LW121	325	550	m			1.60
050796	3	114 mm	LW122	376	600	m			1.13
050796	3	114 mm	LW123	309	430	m			1.46
050796	3	133 mm	LW124	390	880	f	9		1.48
050796	3	133 mm	LW125	443	1340	f	11		1.54
050796	3	133 mm	LW126	489	1320	f	12		1.13
050796	3	133 mm	LW127	475	1860	f	10		1.74
050796	3	133 mm	LW128	466	1930	f	14		1.91
050796	3	133 mm	LW129	499	2120	f	14		1.71
050796	3	133 mm	LW130	420	1200	m	16		1.62
050796	3	133 mm	LW131	433	1210	m	11		1.49
050796	3	133 mm	LW132	405	1070	m	11		1.61
090796	4	133 mm	LW133	420	1160	f	14		1.57
090796	4	114 mm	LW134	434	1300	f	12		1.59
090796	4	114 mm	LW135	400	880	m			1.38
090796	4	114 mm	LW136	404	950				1.44
090796	4	114 mm	LW137	381	800	f			1.45
090796	4	114 mm	LW138	341	630	m			1.59
090796	4	89 mm	LW139	380	520	m			1.11
090796	4	89 mm	LW140	348	550				1.31
090796	4	89 mm	LW141	332	500				1.37
090796	4	89 mm	LW142	369	700	f			1.39

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
090796	4	89 mm	LW143	415	920	f			1.29
090796	4	89 mm	LW144	348	620	m			1.47
090796	4	89 mm	LW145	395	910	m			1.48
090796	4	89 mm	LW146	387	770	f			1.33
090796	4	89 mm	LW147	385	800	f			1.40
100796	5	133 mm	LW148	408	970	m			1.43
100796	5	114 mm	LW149	424	1180	f			1.55
100796	5	114 mm	LW150	382	880	f			1.58
100796	5	114 mm	LW151	392	970	m			1.61
100796	5	114 mm	LW152	387	840	f			1.45
100796	5	114 mm	LW153	381	810	f			1.46
110796	6	89 mm	LW154	395	850	f	7		1.38
110796	6	89 mm	LW155	345	550	m	9		1.34
110796	6	89 mm	LW156	374	790	m	10		1.51
110796	6	89 mm	LW157	322	420		7		1.26
110796	6	89 mm	LW158	362	750	f	8		1.58
110796	6	89 mm	LW159	393	990	m	8		1.63
110796	6	89 mm	LW160	369	630	m	8		1.25
110796	6	133 mm	LW161	399	990		10		1.56
110796	6	89 mm	LW162	378	860	f	10		1.59
110796	6	89 mm	LW163	353	710	f	6		1.61
110796	6	89 mm	LW164	495	2060	m			1.70
110796	6	89 mm	LW165	407	1180	m	9		1.75
110796	6	89 mm	LW166	388	1010		9		1.73
110796	6	89 mm	LW167	432	1140	f	8		1.41
110796	6	89 mm	LW168	435	1300	f	10		1.58
110796	6	89 mm	LW169	306	380	f	5		1.33
110796	6	89 mm	LW170	450	1340	m	13		1.47
110796	6	89 mm	LW171	396	710	m	10		1.14
110796	6	114 mm	LW172	402	960	m	8		1.48
110796	6	114 mm	LW173	480	1330	f	12		1.20
110796	6	114 mm	LW174	542	1850	f	15		1.16
110796	6	114 mm	LW175	475	1290		13		1.20
110796	6	114 mm	LW176	553	1910				1.13
110796	6	114 mm	LW177	436	1300	m	11		1.57
110796	6	114 mm	LW178	492	1500	m	16		1.26
110796	6	133 mm	LW179	438	1330	m	14		1.58
120796	7	89 mm	LW180	345	620	m	7		1.51
120796	7	89 mm	LW181	394	880	m	12		1.44
120796	7	89 mm	LW182	375	790	m	6		1.50
120796	7	89 mm	LW183	389	800	m	12		1.36
120796	7	89 mm	LW184	344	510	m	7		1.25
120796	7	89 mm	LW185	345	620	m	6		1.51
120796	7	89 mm	LW186	360	710	m	12		1.52
120796	7	89 mm	LW187	328	480	m	7		1.36
120796	7	89 mm	LW188	317	410	m	8		1.29
120796	7	89 mm	LW189	356	670	m	8		1.48
120796	7	89 mm	LW190	405	1030	m	15		1.55
120796	7	89 mm	LW191	402	980	m	12		1.51
120796	7	89 mm	LW192	410	1190	f	10		1.73

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
120796	7	89 mm	LW193	350	610	m	8		1.42
120796	7	89 mm	LW194	356	680	m			1.51
120796	7	89 mm	LW195	341	570	m			1.44
120796	7	89 mm	LW196	403	970	m			1.48
120796	7	89 mm	LW197	414	980	m			1.38
120796	7	89 mm	LW198	320	520	m			1.59
120796	7	89 mm	LW199	395	970	m			1.57
120796	7	89 mm	LW200	353	660	f			1.50
120796	7	89 mm	LW201	344	540	m			1.33
120796	7	89 mm	LW202	410	980	m			1.42
120796	7	89 mm	LW203	422	1140	f			1.52
120796	7	89 mm	LW204	390	910	m			1.53
120796	7	89 mm	LW205	370	700	m			1.38
120796	7	89 mm	LW206	334	500	m			1.34
120796	7	89 mm	LW207	339	560	m			1.44
120796	7	89 mm	LW208	420	1070	m			1.44
120796	7	89 mm	LW209	429	1210	m			1.53
120796	7	89 mm	LW210	354	600	m			1.35
120796	7	89 mm	LW211	360	720	m			1.54
120796	7	89 mm	LW212	330	550	m			1.53
120796	7	89 mm	LW213	384	720	f			1.27
120796	7	89 mm	LW214	431	1260	m			1.57
120796	7	89 mm	LW215	406	850	f			1.27
120796	7	89 mm	LW216	400	840	f			1.31
120796	7	89 mm	LW217	422	1140	m			1.52
120796	7	89 mm	LW218	424	1090	m			1.43
120796	7	89 mm	LW219	377	780	f			1.46
120796	7	89 mm	LW220	414	1120	m			1.58
120796	7	89 mm	LW221	376	770	m			1.45
120796	7	89 mm	LW222	388	830	f			1.42
120796	7	89 mm	LW223	328	450	f			1.28
120796	7	89 mm	LW224	366	760	f			1.55
120796	7	89 mm	LW225	344	610	f			1.50
120796	7	89 mm	LW226	389	920	m			1.56
120796	7	89 mm	LW227	331	500	m			1.38
120796	7	89 mm	LW228	300	380	m			1.41
120796	7	89 mm	LW229	288	360	m			1.51
120796	7	89 mm	LW230	383	790	m			1.41
120796	7	89 mm	LW231	405	990	f			1.49
120796	7	89 mm	LW232	489	1850	m			1.58
120796	7	89 mm	LW233	427	1180	f			1.52
120796	7	89 mm	LW234	427	1320	m			1.70
120796	7	89 mm	LW235	320	430	m			1.31
120796	7	89 mm	LW236	361	620	f			1.32
120796	7	89 mm	LW237	390	990	m			1.67
120796	7	89 mm	LW238	412	1040	m			1.49
120796	7	89 mm	LW239	388	890	f			1.52
120796	7	89 mm	LW240	404	830	m			1.26
120796	7	89 mm	LW241	373	700	f			1.35
120796	7	89 mm	LW242	418	980	m			1.34

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
120796	7	114 mm	LW243	398	910	m	12		1.44
120796	7	114 mm	LW244	405	830	m	10		1.25
120796	7	114 mm	LW245	389	840	m	11		1.43
120796	7	114 mm	LW246	395	860	f	12		1.40
120796	7	114 mm	LW247	342	710	m	8		1.77
120796	7	114 mm	LW248	394	910	f	9		1.49
120796	7	114 mm	LW249	372	810	f	8		1.57
120796	7	114 mm	LW250	407	960	m	13		1.42
120796	7	114 mm	LW251	400	870	f	14		1.36
120796	7	114 mm	LW252	424	990	m	11		1.30
120796	7	114 mm	LW253	379	760	m	12		1.40
120796	7	114 mm	LW254	400	800	f	12		1.25
120796	7	114 mm	LW255	387	830	m	12		1.43
120796	7	114 mm	LW256	410	940	m	12		1.36
120796	7	114 mm	LW257	372	790	m	12		1.53
120796	7	114 mm	LW258	380	750	f			1.37
120796	7	114 mm	LW259	398	920	m			1.46
120796	7	114 mm	LW260	386	920	f			1.60
120796	7	114 mm	LW261	371	710	m			1.39
120796	7	114 mm	LW262	446	1410	f			1.59
120796	7	114 mm	LW263	431	1310	m			1.64
120796	7	114 mm	LW264	425	1190	f			1.55
120796	7	114 mm	LW265	453	1450	m			1.56
120796	7	114 mm	LW266	439	1140	m			1.35
120796	7	114 mm	LW267	425	1120	f			1.46
120796	7	114 mm	LW268	433	1180	m			1.45
120796	7	114 mm	LW269	413	1130	m			1.60
120796	7	114 mm	LW270	446	1450	f			1.63
120796	7	114 mm	LW271	429	1260	m			1.60
120796	7	114 mm	LW272	394	1060	m			1.73
120796	7	114 mm	LW273	391	900	f			1.51
120796	7	114 mm	LW274	402	1060	m			1.63
120796	7	114 mm	LW275	425	950	f			1.24
120796	7	114 mm	LW276	436	1050	f			1.27
120796	7	114 mm	LW277	375	840	f			1.59
120796	7	114 mm	LW278	404	1100	m			1.67
120796	7	114 mm	LW279	404	1030	m			1.56
120796	7	114 mm	LW280	405	990	m			1.49
120796	7	114 mm	LW281	383	860	m			1.53
120796	7	114 mm	LW282	410	970	m			1.41
120796	7	114 mm	LW283	381	760	m			1.37
120796	7	114 mm	LW284	372	750	m			1.46
120796	7	114 mm	LW285	384	870	f			1.54
120796	7	133 mm	LW286	434	1090	m	13		1.33
120796	7	133 mm	LW287	393	1060	m	11		1.75
160796	8	89 mm	LW293	383	830	f	9		1.48
160796	8	89 mm	LW294	436	1280		13		1.54
160796	8	89 mm	LW295	371	770		9		1.51
160796	8	89 mm	LW296	395	1000	f	8		1.62
160796	8	89 mm	LW297	378	870	m	9		1.61

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
160796	8	89 mm	LW298	340	510	m	7		1.30
160796	8	89 mm	LW299	322	470	m	7		1.41
160796	8	89 mm	LW300	420	1130	f	13		1.53
160796	8	89 mm	LW301	325	510		9		1.49
160796	8	89 mm	LW302	334	550	f	8		1.48
160796	8	89 mm	LW303	349	590	f	7		1.39
160796	8	89 mm	LW304	310	400				1.34
160796	8	89 mm	LW305	316	410	f	6		1.30
160796	8	89 mm	LW306	370	580	f	8		1.15
160796	8	89 mm	LW307	307	390	m	7		1.35
160796	8	89 mm	LW308	315	420	m	7		1.34
160796	8	89 mm	LW309	340	560	m	9		1.42
160796	8	89 mm	LW310	399	1110		13		1.75
160796	8	114 mm	LW311	374	900	f	8		1.72
160796	8	114 mm	LW312	393	920	f	8		1.52
160796	8	114 mm	LW313	397	940	m	13		1.50
160796	8	114 mm	LW314	415	1130	f	13		1.58
160796	8	114 mm	LW315	416	1080	f	13		1.50
160796	8	114 mm	LW316	441	1260	f	15		1.47
160796	8	114 mm	LW317	438	1130	m	12		1.34
160796	8	114 mm	LW318	414	1000	f	12		1.41
160796	8	114 mm	LW319	410	1090	f	10		1.58
160796	8	114 mm	LW320	335	620	f	7		1.65
160796	8	114 mm	LW321	389	1020	f	9		1.73
160796	8	114 mm	LW322	378	790	f	9		1.46
160796	8	114 mm	LW323	398	890	f	9		1.41
160796	8	114 mm	LW324	402	940	m	10		1.45
160796	8	133 mm	LW325	391	1040	m	11		1.74
160796	8	133 mm	LW326	427	1020	f	12		1.31
160796	8	133 mm	LW327	377	990	f	10		1.85
160796	8	133 mm	LW328	386	920	m	13		1.60
160796	8	133 mm	LW329	407	1000	m	14		1.48
160796	8	133 mm	LW330	455	1800	f	10		1.91
160796	8	133 mm	LW331	461	1900	f	12		1.94
160796	8	133 mm	LW332	471	1430	m	12		1.37
160796	8	133 mm	LW333	471	1430	f	11		1.37
160796	8	133 mm	LW334	448	1340	f	12		1.49
160796	8	133 mm	LW335	429	1310	f	11		1.66
170796	9	89 mm	LW336	369	800	m			1.59
170796	9	89 mm	LW337	377	640	f	9		1.19
170796	9	89 mm	LW338	403	880	f	10		1.34
170796	9	89 mm	LW339	387	940	f	8		1.62
170796	9	89 mm	LW340	385	800	m	11		1.40
170796	9	89 mm	LW341	435	1260	f	12		1.53
170796	9	89 mm	LW342	426	1040	m	11		1.35
170796	9	89 mm	LW343	386	880	m	10		1.53
170796	9	89 mm	LW344	400	970	f	11		1.52
170796	9	89 mm	LW345	374	740	f	8		1.41
170796	9	89 mm	LW346	382	830	m	12		1.49
170796	9	89 mm	LW347	352	650	m	7		1.49

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
170796	9	89 mm	LW348	390	860	m	11		1.45
170796	9	89 mm	LW349	379	790	m	13		1.45
170796	9	89 mm	LW350	389	790	f			1.34
170796	9	89 mm	LW351	390	770	f	12		1.30
170796	9	89 mm	LW352	313	440	m			1.43
170796	9	89 mm	LW353	339	590	m			1.51
170796	9	89 mm	LW354	340	490	f			1.25
170796	9	89 mm	LW355	362	690	f			1.45
170796	9	89 mm	LW356	422	1060	m			1.41
170796	9	89 mm	LW357	381	810	m			1.46
170796	9	89 mm	LW358	381	930	f			1.68
170796	9	89 mm	LW359	353	680	f			1.55
170796	9	89 mm	LW360	348	580	m			1.38
170796	9	89 mm	LW361	328	470	f			1.33
170796	9	89 mm	LW362	370	670	f			1.32
170796	9	89 mm	LW363	329	480	m			1.35
170796	9	114 mm	LW364	414	880	f			1.24
170796	9	114 mm	LW365	400	770	f	10		1.20
170796	9	114 mm	LW366	352	660	m	7		1.51
170796	9	114 mm	LW367	406	860	f	11		1.29
170796	9	114 mm	LW368	390	870	m	12		1.47
170796	9	114 mm	LW369	372	830	m	8		1.61
170796	9	114 mm	LW370	384	880	m	11		1.55
170796	9	114 mm	LW371	427	1070	f	13		1.37
170796	9	114 mm	LW372	423	1130	f	13		1.49
170796	9	114 mm	LW373	494	1420	m	12		1.18
170796	9	133 mm	LW374	404	1040	m	12		1.58
170796	9	133 mm	LW375	412	990	m	10		1.42
170796	9	133 mm	LW376	395	1040	m	10		1.69
180796	10	89 mm	LW377	422	1210	m	11		1.61
180796	10	89 mm	LW378	397	1080	f	13		1.73
180796	10	89 mm	LW379	350	610	m	8		1.42
180796	10	89 mm	LW380	415	1110	f	7		1.55
180796	10	89 mm	LW381	412	1000	f	11		1.43
180796	10	89 mm	LW382	398	890	m	12		1.41
180796	10	89 mm	LW383	390	800	f	8		1.35
180796	10	89 mm	LW384	367	780	m	11		1.58
180796	10	89 mm	LW385	353	640	m	11		1.45
180796	10	89 mm	LW386	301	350	m	6		1.28
180796	10	114 mm	LW387	401	950	f	11		1.47
180796	10	114 mm	LW388	393	950	m	9		1.57
180796	10	114 mm	LW389	421	960	f	12		1.29
180796	10	133 mm	LW390	410	1270	m	14		1.84
180796	10	133 mm	LW391	393	900	m	10		1.48
190796	11	89 mm	LW392	282	280	m			1.25
190796	11	89 mm	LW393	350	650	f			1.52
190796	11	89 mm	LW394	395	890	m			1.44
190796	11	114 mm	LW395	360	670	f	7		1.44
190796	11	114 mm	LW396	370	740	m	8		1.46
190796	11	133 mm	LW397	411	1020	m	12		1.47

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
070896	12	133 mm	LW398	434	1150	m	15		1.41
070896	12	133 mm	LW399	461	1570	m	13		1.60
070896	12	133 mm	LW400	425	1170	f	13		1.52
070896	12	89 mm	LW401	420	1320	f	10		1.78
070896	12	89 mm	LW402	422	1100	m	10		1.46
070896	12	89 mm	LW403	393	1010	f	10		1.66
070896	12	89 mm	LW404	355	720	f	10		1.61
070896	12	89 mm	LW405	385	890	m	9		1.56
070896	12	89 mm	LW406	402	910	m	11		1.40
070896	12	89 mm	LW407	358	610	m	9		1.33
070896	12	89 mm	LW408	331	540	f	7		1.49
070896	12	89 mm	LW409	312	380	m			1.25
070896	12	89 mm	LW410	335	450	m	9		1.20
070896	12	89 mm	LW411	332	450	f	7		1.23
070896	12	89 mm	LW412	350	660	f	7		1.54
070896	12	89 mm	LW413	305	360	f	7		1.27
070896	12	114 mm	LW414	374	760	m	9		1.45
070896	12	114 mm	LW415	410	900	m	12		1.31
070896	12	114 mm	LW416	395	820	f	13		1.33
070896	12	114 mm	LW417	425	1370	m	12		1.78
070896	12	114 mm	LW418	447	1420	f	14		1.59
080896	13	89 mm	LW419	329	500	f	7		1.40
080896	13	89 mm	LW420	380	880	m	11		1.60
080896	13	89 mm	LW421	365	690	m	8		1.42
080896	13	89 mm	LW422	330	450	f	7		1.25
080896	13	89 mm	LW423	308	420	f	9		1.44
080896	13	89 mm	LW424	322	470	f	7		1.41
080896	13	89 mm	LW425	306	410	m			1.43
080896	13	89 mm	LW426	292	340	f	5		1.37
080896	13	89 mm	LW427	308	400	f	6		1.37
080896	13	89 mm	LW428	342	610	m	7		1.52
080896	13	89 mm	LW429	414	1340	f	12		1.89
080896	13	89 mm	LW430	305	380	m	5		1.34
080896	13	89 mm	LW431	459	1590	m	14		1.64
080896	13	89 mm	LW432	422	1090	m	13		1.45
080896	13	89 mm	LW433	342	480	m	7		1.20
080896	13	89 mm	LW434	333	510	m	6		1.38
080896	13	89 mm	LW435	394	780	f	10		1.28
080896	13	114 mm	LW436	369	760	f	9		1.51
080896	13	114 mm	LW437	361	750	f	8		1.59
080896	13	114 mm	LW438	358	620	f	7		1.35
080896	13	114 mm	LW439	375	790	m	9		1.50
080896	13	114 mm	LW440	390	810	m	11		1.37
080896	13	114 mm	LW441	448	1330	m	14		1.48
080896	13	114 mm	LW442	388	840	m	10		1.44
080896	13	114 mm	LW443	341	550	f	8		1.39
080896	13	133 mm	LW444	408	1070	f	13		1.58
080896	13	133 mm	LW445	426	1220	m	12		1.58
080896	13	133 mm	LW446	433	1330	f	12		1.64
080896	13	133 mm	LW447	439	1210	m	11		1.43

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
090896	14	89 mm	LW448	457	1620	f			1.70
090896	14	89 mm	LW449	472			9		
090896	14	89 mm	LW450	332	530	f	9		1.45
090896	14	89 mm	LW451	375	800	m	8		1.52
090896	14	89 mm	LW452	391	960	m	12		1.61
090896	14	89 mm	LW453	399	990	f	11		1.56
090896	14	89 mm	LW454	396	970		9		1.56
090896	14	89 mm	LW455	330	480	f	7		1.34
090896	14	89 mm	LW456	323	490	f	8		1.45
090896	14	89 mm	LW457	303	360	m	6		1.29
090896	14	89 mm	LW458	305	370	m	5		1.30
090896	14	89 mm	LW459	420	1080	f	10		1.46
090896	14	89 mm	LW460	425	1160	m	13		1.51
090896	14	89 mm	LW461	425	1080		9		1.41
090896	14	89 mm	LW462	402	850		9		1.31
090896	14	89 mm	LW463	337	600	m	7		1.57
090896	14	89 mm	LW464	408	890	f	14		1.31
090896	14	89 mm	LW465	339	640	m	9		1.64
090896	14	89 mm	LW466	370	750	f	8		1.48
090896	14	89 mm	LW467	384	860	f			1.52
090896	14	89 mm	LW468	355	730	f			1.63
090896	14	89 mm	LW469	320	460	f			1.40
090896	14	89 mm	LW470	301	330	m			1.21
090896	14	89 mm	LW471	310	390	m			1.31
090896	14	89 mm	LW472	289	310	m			1.28
090896	14	89 mm	LW473	299	370	m			1.38
090896	14	89 mm	LW474	305	350	f			1.23
090896	14	114 mm	LW475	365	670	m	8		1.38
090896	14	114 mm	LW476	380	830	f	11		1.51
090896	14	114 mm	LW477	413	930		12		1.32
090896	14	114 mm	LW478	362	790		7		1.67
090896	14	114 mm	LW479	389	760	f	10		1.29
090896	14	114 mm	LW480	383	870		6		1.55
090896	14	114 mm	LW481	424	1290	f	12		1.69
090896	14	114 mm	LW482	428	1300	m	12		1.66
090896	14	114 mm	LW483	401	910	m	11		1.41
090896	14	114 mm	LW484	370	810		8		1.60
090896	14	114 mm	LW485	402	870	m	11		1.34
090896	14	114 mm	LW486	490	2050	m	14		1.74
090896	14	114 mm	LW487	376	640	m	12		1.20
090896	14	114 mm	LW488	298	330	f	5		1.25
090896	14	114 mm	LW489	389	930	f	12		1.58
090896	14	114 mm	LW490	418	1210	f	13		1.66
090896	14	114 mm	LW491	444	1260		7		1.44
090896	14	114 mm	LW492	409	1000	f	12		1.46
090896	14	114 mm	LW493	348	630	m	8		1.49
090896	14	114 mm	LW494	391	830	f	7		1.39
090896	14	114 mm	LW495	388	760	m			1.30
090896	14	114 mm	LW496	411	940	f			1.35
090896	14	114 mm	LW497	372	700	f			1.36

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
090896	14	133 mm	LW498	412	1090	m	12		1.56
090896	14	133 mm	LW499	450	1440	f	13		1.58
090896	14	133 mm	LW500	420	1330	m	13		1.80
090896	14	133 mm	LW501	402	1060	m	9		1.63
090896	14	133 mm	LW502	402	980		10		1.51
090896	14	133 mm	LW503	413	1170		15		1.66
090896	14	133 mm	LW504	425	1300	m	13		1.69
090896	14	133 mm	LW505	500			13		0.00
090896	14	133 mm	LW506	405	1010	f	11		1.52
090896	14	133 mm	LW507	412	1230	f	11		1.76
090896	14	133 mm	LW508	451	1330		12		1.45
140896	15	89 mm	LW509	320	420	m	5		1.28
140896	15	89 mm	LW510	413	1240	m	11		1.76
140896	15	89 mm	LW511	426	1080	f	10		1.40
140896	15	89 mm	LW512	414	1310	f	12		1.85
140896	15	89 mm	LW513	399	960	m	8		1.51
140896	15	89 mm	LW514	374	700	m			1.34
140896	15	89 mm	LW515	374	620	f	9		1.19
140896	15	89 mm	LW516	459	1460	m	13		1.51
140896	15	89 mm	LW517	355	680	m	9		1.52
140896	15	89 mm	LW518	414	1230	m	10		1.73
140896	15	89 mm	LW519	411	970	m	12		1.40
140896	15	89 mm	LW520	365	740	f	7		1.52
140896	15	89 mm	LW521	422	1240	m	12		1.65
140896	15	89 mm	LW522	355	700	f	11		1.56
140896	15	89 mm	LW523	378	720	m	11		1.33
140896	15	89 mm	LW524	458	1600	m			1.67
140896	15	89 mm	LW525	370	690	m			1.36
140896	15	89 mm	LW526	398	820	m			1.30
140896	15	89 mm	LW527	380	620	m			1.13
140896	15	89 mm	LW528	358	510	m			1.11
140896	15	89 mm	LW529	350	490	f			1.14
140896	15	89 mm	LW530	349	490	m			1.15
140896	15	89 mm	LW531	354	510	f			1.15
140896	15	114 mm	LW532	389	770	m	10		1.31
140896	15	114 mm	LW533	423	1100		7		1.45
140896	15	114 mm	LW534	395	840		11		1.36
140896	15	114 mm	LW535	396		m	9		
140896	15	114 mm	LW536	366	660	f	9		1.35
140896	15	114 mm	LW537	435	1000	m	11		1.21
140896	15	114 mm	LW538	415	990	m	10		1.39
140896	15	114 mm	LW539	364	730	m	9		1.51
140896	15	133 mm	LW540	433	1370	m	13		1.69
140896	15	133 mm	LW541	480		f	13		
140896	15	133 mm	LW542	401	1080	m	11		1.67
140896	15	133 mm	LW543	402	1130	f	9		1.74
140896	15	133 mm	LW544	503	2190	m	18		1.72
140896	15	133 mm	LW545	465	1430	f	14		1.42
140896	15	133 mm	LW546	470	1820	f	13		1.75
140896	15	133 mm	LW547	455	1440	m	13		1.53

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
150896	16	89 mm	LW548	372	640	f	7		1.24
150896	16	89 mm	LW549	309	340	m	7		1.15
150896	16	89 mm	LW550	383	790		10		1.41
150896	16	89 mm	LW551	340	470	m	7		1.20
150896	16	89 mm	LW552	360	670	m	7		1.44
150896	16	89 mm	LW553	304	360	m	6		1.28
150896	16	89 mm	LW554	315	440	m	4		1.41
150896	16	89 mm	LW555	400	940	m	11		1.47
150896	16	89 mm	LW556	293	320	f	4		1.27
150896	16	89 mm	LW557	335	530	m	7		1.41
150896	16	89 mm	LW558	401	800	m	9		1.24
150896	16	89 mm	LW559	317	450	m	4		1.41
150896	16	89 mm	LW560	396	880	f	10		1.42
150896	16	89 mm	LW561	367	750	f	11		1.52
150896	16	89 mm	LW562	441	1380		13		1.61
150896	16	89 mm	LW563	329	470	f	4		1.32
150896	16	89 mm	LW564	387	880	f	7		1.52
150896	16	89 mm	LW565	436	1170	m	9		1.41
150896	16	89 mm	LW566	366	660	f	7		1.35
150896	16	89 mm	LW567	370	680	m	9		1.34
150896	16	114 mm	LW568	450	1650	f	12		1.81
150896	16	114 mm	LW569	392	880	m	7		1.46
150896	16	114 mm	LW570	401	1000	m	15		1.55
150896	16	114 mm	LW571	400	900	f			1.41
150896	16	114 mm	LW572	405	1030		10		1.55
150896	16	114 mm	LW573	422	1140	f	9		1.52
150896	16	114 mm	LW574	396	900	f	7		1.45
150896	16	114 mm	LW575	342	600		7		1.50
150896	16	133 mm	LW576	415	1280	m	12		1.79
150896	16	133 mm	LW577	421	1220	f	11		1.63
150896	16	133 mm	LW578	397	970	f	7		1.55
160896	17	89 mm	LW579	396	940	f	9		1.51
160896	17	89 mm	LW580	303	320	m	6		1.15
160896	17	89 mm	LW581	391	800	f	7		1.34
160896	17	89 mm	LW582	406	900	m	13		1.34
160896	17	89 mm	LW583	378	760	f	11		1.41
160896	17	89 mm	LW584	456	1540	f			1.62
160896	17	89 mm	LW585	342	680	f	7		1.70
160896	17	89 mm	LW586	350	580	m	6		1.35
160896	17	89 mm	LW587	365	680	f	7		1.40
160896	17	89 mm	LW588	371	630	m	6		1.23
160896	17	89 mm	LW589	401	980	m			1.52
160896	17	89 mm	LW590	378	760	f	8		1.41
160896	17	114 mm	LW591	419	1250	f	8		1.70
160896	17	114 mm	LW592	387	830	f	8		1.43
230896	19	89 mm	LW616	350	520	m	6		1.21
230896	19	89 mm	LW617	401	890		7		1.38
230896	19	89 mm	LW618	356	700	f	7		1.55
230896	19	89 mm	LW619	321	360	m	7		1.09
230896	19	89 mm	LW620	405	1060	f	8		1.60

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
230896	19	89 mm	LW621	317	390	m	6		1.22
230896	19	89 mm	LW622	345	540	f	5		1.32
230896	19	89 mm	LW623	395	890	m	8		1.44
230896	19	89 mm	LW624	339	510		5		1.31
230896	19	89 mm	LW625	334	460	m	5		1.23
230896	19	89 mm	LW626	342	490	f	5		1.22
230896	19	89 mm	LW627	414	940	m	9		1.32
230896	19	89 mm	LW628	310	360	f	7		1.21
230896	19	89 mm	LW629	371	630	m	8		1.23
230896	19	89 mm	LW630	420	1030	m	8		1.39
230896	19	89 mm	LW631	388	810		8		1.39
230896	19	89 mm	LW632	375		f	5		
230896	19	89 mm	LW633	367	650	m	7		1.31
230896	19	89 mm	LW634	397	940	m	10		1.50
230896	19	89 mm	LW635	375	730	m	9		1.38
230896	19	133 mm	LW636	415	970	f	9		1.36
230896	19	133 mm	LW637	415	1000	f	9		1.40

LONGNOSE SUCKER (*Catostomus catostomus*)

250696	1	114 mm	LN001	490	1536	f			1.31
250696	1	114 mm	LN002	462	1200	f	11		1.22
250696	1	114 mm	LN003	396	709	m			1.14
260696	1	133 mm	LN004	527	1900	f	14		1.30
260696	1	133 mm	LN005	523	1909	f	14		1.33
260696	1	133 mm	LN006	511	1736	f	13		1.30
260696	1	89 mm	LN007	420	855	m			1.15
260696	1	89 mm	LN008	435	1000	m	9		1.21
260696	1	89 mm	LN009	399	718	m			1.13
260696	1	114 mm	LN010	499	1418	f	12		1.14
260696	1	114 mm	LN011	431	1136	m			1.42
260696	1	114 mm	LN012	485	1400	f	12		1.23
260696	1	114 mm	LN013	430	1127	m			1.42
260696	1	114 mm	LN014	455	1182	m	14		1.25
260696	1	114 mm	LN015	420	955	f			1.29
260696	1	114 mm	LN016	468	1355	f	13		1.32
270696	1	114 mm	LN017	458	1010	m	12		1.05
270696	1	114 mm	LN018	436	1090	m			1.32
270696	1	114 mm	LN019	493	1860	f			1.55
270696	1	114 mm	LN020	473	1440				1.36
270696	1	114 mm	LN021	435	1430	m			1.74
270696	1	114 mm	LN022	432	1460		12		1.81
270696	1	114 mm	LN023	425	920	f			1.20
270696	1	133 mm	LN024	492	1650	m	17		1.39
280696	1	89 mm	LN025	389	720	f			1.22
280696	1	89 mm	LN026	419	960	m			1.31
280696	1	89 mm	LN027	378	750	m	8		1.39
280696	1	89 mm	LN028	501	1570	f	13		1.25
280696	1	89 mm	LN029	427	1050	m			1.35
280696	1	89 mm	LN030	440	1080	f			1.27

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
280696	1	89 mm	LN031	362	620	m			1.31
280696	1	89 mm	LN032	436	1250	f	10		1.51
280696	1	89 mm	LN033	465	1370	f			1.36
280696	1	89 mm	LN034	392	840	m	6		1.39
280696	1	89 mm	LN035	412	980	m			1.40
280696	1	89 mm	LN036	449	1230	m	10		1.36
280696	1	89 mm	LN037	374	700	m			1.34
280696	1	89 mm	LN038	413	860	m			1.22
280696	1	89 mm	LN039	324	450	m	5		1.32
280696	1	89 mm	LN040	431	990	m			1.24
280696	1	89 mm	LN041	554	2430	f	15		1.43
280696	1	89 mm	LN042	510	1610	f			1.21
280696	1	89 mm	LN043	440	1060	m	13		1.24
280696	1	89 mm	LN044	381	710	m	10		1.28
280696	1	89 mm	LN045	454	1280				1.37
280696	1	89 mm	LN046	373	650				1.25
280696	1	89 mm	LN047	391	790	m	8		1.32
280696	1	89 mm	LN048	446	1180				1.33
280696	1	89 mm	LN049	369	700	m	7		1.39
280696	1	89 mm	LN050	500	1520	f	14		1.22
280696	1	89 mm	LN051	347	540	m			1.29
280696	1	89 mm	LN052	429	1010	f	9		1.28
280696	1	89 mm	LN053	429	990	m			1.25
280696	1	89 mm	LN054	350	410	m			0.96
280696	1	89 mm	LN055	377	750	m			1.40
280696	1	89 mm	LN056	376	720		7		1.35
280696	1	89 mm	LN057	320	340	m			1.04
280696	1	89 mm	LN058	380	700		8		1.28
280696	1	89 mm	LN059	395	350	m			0.57
280696	1	89 mm	LN060	374	360				0.69
280696	1	89 mm	LN061	375	760	m			1.44
280696	1	133 mm	LN062	501	1620	f	13		1.29
280696	1	133 mm	LN063	494	1470	f	13		1.22
280696	1	133 mm	LN064	471	1360	f	14		1.30
280696	1	133 mm	LN065	574	2030	f			1.07
280696	1	133 mm	LN066	445	1000	m	13		1.13
280696	1	133 mm	LN067	509	1630	f	15		1.24
280696	1	133 mm	LN068	500	1620	f	13		1.30
280696	1	133 mm	LN069	465	1330	m	12		1.32
040796	2	89 mm	LN070	445	1130	m	11		1.28
040796	2	89 mm	LN071	500	1540	m	18		1.23
040796	2	89 mm	LN072	410	920	m			1.33
040796	2	89 mm	LN073	351	560	m	6		1.29
040796	2	89 mm	LN074	393	770	m			1.27
040796	2	89 mm	LN075	442	1230	m	11		1.42
040796	2	89 mm	LN076	353	640	m			1.45
040796	2	89 mm	LN077	436	1040	m			1.25
040796	2	89 mm	LN078	528	1900	m			1.29
040796	2	89 mm	LN079	490	1330	f	12		1.13
040796	2	89 mm	LN080	499	1540	f			1.24

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
040796	2	89 mm	LN081	365	650	m	6		1.34
040796	2	89 mm	LN082	330	390	m			1.09
040796	2	89 mm	LN083	325	480	m	5		1.40
040796	2	89 mm	LN084	356	560	m	7		1.24
050796	3	89 mm	LN085	397	890	f	8		1.42
050796	3	89 mm	LN086	340	540	m	6		1.37
050796	3	89 mm	LN087	466	1260	f	13		1.25
050796	3	89 mm	LN088	384	670	m			1.18
050796	3	89 mm	LN089	476	1270	f	13		1.18
050796	3	89 mm	LN090	468	1180	m			1.15
050796	3	89 mm	LN091	297	410	m			1.57
050796	3	89 mm	LN092	316	460	m			1.46
050796	3	89 mm	LN093	484	1280	f	13		1.13
050796	3	89 mm	LN094	506	1450	m			1.12
050796	3	89 mm	LN095	482	1230	m	13		1.10
050796	3	89 mm	LN096	474	1350	m			1.27
050796	3	89 mm	LN097	469	1240	f	13		1.20
050796	3	89 mm	LN098	458	1110	f			1.16
050796	3	89 mm	LN099	441	1080				1.26
050796	3	89 mm	LN100	433	980	m			1.21
050796	3	114 mm	LN101	424	1200	f			1.57
050796	3	114 mm	LN102	514	1610	f	12		1.19
050796	3	114 mm	LN103	465	1040	f			1.03
050796	3	114 mm	LN104	461	1300	m	12		1.33
050796	3	114 mm	LN105	482	1160	m	11		1.04
050796	3	114 mm	LN106	442	1130	m	14		1.31
050796	3	114 mm	LN107	438	1120	m	10		1.33
050796	3	114 mm	LN108	440	1020	m	11		1.20
050796	3	114 mm	LN109	473	1370	m	16		1.29
050796	3	114 mm	LN110	484	1310	m	12		1.16
050796	3	114 mm	LN111	464	1420	f			1.42
050796	3	114 mm	LN112	439	1070	m			1.26
050796	3	114 mm	LN113	450	1200	f			1.32
050796	3	114 mm	LN114	513	1420	f	14		1.05
050796	3	114 mm	LN115	409	970	f			1.42
050796	3	133 mm	LN116	499	1560	f	13		1.26
050796	3	133 mm	LN117	537	1850	m			1.07
050796	3	133 mm	LN118	549	1900	m	20		1.15
050796	3	133 mm	LN119	489	1420	f	12		1.21
050796	3	133 mm	LN120	491	1520		10		1.28
050796	3	133 mm	LN121	490	1410	f	15		1.20
050796	3	133 mm	LN122	539	1980	f			1.26
050796	3	133 mm	LN123	610	2670	f	15		1.18
090796	4	133 mm	LN124	520	1940	m			1.38
090796	4	133 mm	LN125	532	1740	f	13		1.16
090796	4	133 mm	LN126	430	1170	m	14		1.47
090796	4	133 mm	LN127	513	1710		14		1.27
090796	4	133 mm	LN128	527	1740		15		1.19
090796	4	114 mm	LN129	511	1480	f	15		1.11
090796	4	114 mm	LN130	506	1530	m	13		1.18

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
090796	4	114 mm	LN131	490	1480	f	13		1.26
090796	4	114 mm	LN132	459	1220	f	14		1.26
090796	4	114 mm	LN133	495	1400	m	13		1.15
090796	4	114 mm	LN134	509	1800	m			1.36
090796	4	114 mm	LN135	544	1990	f	15		1.24
090796	4	114 mm	LN136	469	1440	m	13		1.40
090796	4	114 mm	LN137	573	2150	f	14		1.14
090796	4	89 mm	LN138	473	1350	m			1.28
090796	4	89 mm	LN139	502	1850	m			1.30
090796	4	89 mm	LN140	525	1710	m			1.18
090796	4	89 mm	LN141	472	1280	f	10		1.22
090796	4	89 mm	LN142	432	1070	m			1.33
090796	4	89 mm	LN143	523	1820	f	11		1.27
090796	4	89 mm	LN144	489	1540	m			1.32
090796	4	89 mm	LN145	381	620	m			1.12
090796	4	89 mm	LN146	503	1310	f			1.03
090796	4	89 mm	LN147	418	980	m			1.31
090796	4	89 mm	LN148	566	2190	f			1.21
090796	4	89 mm	LN149	500	1440	m	10		1.15
090796	4	89 mm	LN150	558	1920	m			1.11
090796	4	89 mm	LN151	516	1680	f			1.21
090796	4	89 mm	LN152	518	1690	m			1.22
090796	4	89 mm	LN153	485	1270	m			1.11
090796	4	89 mm	LN154	430	1310	m			1.65
090796	4	89 mm	LN155	490	1530	m	14		1.30
090796	4	114 mm	LN156	452	1170	m			1.27
090796	4	114 mm	LN157	425	1140	m	14		1.49
090796	4	114 mm	LN158	449	1190	m	12		1.31
100796	5	133 mm	LN159	528	1770	m	18		1.20
100796	5	133 mm	LN160	597	2330	f	16		1.10
100796	5	133 mm	LN161	574	2340	f	15		1.24
100796	5	114 mm	LN162	439	970	m			1.15
100796	5	114 mm	LN163	515	1610	m			1.18
100796	5	114 mm	LN164	482	1510	m			1.35
100796	5	114 mm	LN165	526	1730	m	13		1.19
100796	5	114 mm	LN166	531	1690	m			1.13
110796	6	89 mm	LN167	623	3110	f			1.29
110796	6	89 mm	LN168	490	1520	m			1.29
110796	6	89 mm	LN169	404	740	m	10		1.12
110796	6	89 mm	LN170	580	1940	m	22		1.10
110796	6	89 mm	LN171	452	1170	m	12		1.27
110796	6	89 mm	LN172	441	930	f			1.08
110796	6	89 mm	LN173	368	660	m			1.32
110796	6	89 mm	LN174	367	620	m			1.25
110796	6	89 mm	LN175	446	1060	f	14		1.19
110796	6	89 mm	LN176	524	1630	f			1.13
110796	6	89 mm	LN177	456	1120	m	9		1.18
110796	6	89 mm	LN178	450	1090	m	11		1.20
110796	6	89 mm	LN179	536	1840	m			1.19
110796	6	89 mm	LN180	439	950	f			1.12

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
110796	6	89 mm	LN181	483	1290	m			1.14
110796	6	89 mm	LN182	387	740	m			1.28
110796	6	89 mm	LN183	409	950	m			1.39
110796	6	89 mm	LN184	495	1460	m			1.20
110796	6	89 mm	LN185	575	2070	f			1.09
110796	6	89 mm	LN186	491	1390	m			1.17
110796	6	114 mm	LN187	572	2150				1.15
110796	6	114 mm	LN188	539	1920	m			1.23
110796	6	133 mm	LN189	565	2260	m	18		1.25
110796	6	133 mm	LN190	555	2200	f	16		1.29
110796	6	133 mm	LN191	515	1810	f	14		1.33
110796	6	133 mm	LN192	555	2330	m	18		1.36
110796	6	133 mm	LN193	571	2270	f	16		1.22
120796	7	89 mm	LN194	422	870	m	12		1.16
120796	7	89 mm	LN195	454	1100	m	7		1.18
120796	7	89 mm	LN196	352	540	m	11		1.24
120796	7	89 mm	LN197	469	1180	m	13		1.14
120796	7	89 mm	LN198	430	1020	f	12		1.28
120796	7	89 mm	LN199	475	1160	f	13		1.08
120796	7	89 mm	LN200	475	1440	f	13		1.34
120796	7	89 mm	LN201	310	440	m	4		1.48
120796	7	89 mm	LN202	410	720	m	13		1.04
120796	7	89 mm	LN203	422	780	m			1.04
120796	7	89 mm	LN204	456	1110	m	9		1.17
120796	7	89 mm	LN205	514	1630	m			1.20
120796	7	89 mm	LN206	488	1430	m			1.23
120796	7	89 mm	LN207	506	1440	f	13		1.11
120796	7	89 mm	LN208	345	760				1.85
120796	7	89 mm	LN209	461	1220				1.25
120796	7	89 mm	LN210	385	740	m			1.30
120796	7	89 mm	LN211	473	1310	m			1.24
120796	7	89 mm	LN212	420	870	f			1.17
120796	7	89 mm	LN213	447	1080	m			1.21
120796	7	89 mm	LN214	460	1220	m			1.25
120796	7	89 mm	LN215	447	1120	m			1.25
120796	7	89 mm	LN216	453	1160	f			1.25
120796	7	89 mm	LN217	470	1310	m			1.26
120796	7	89 mm	LN218	449	1060	m			1.17
120796	7	89 mm	LN219	561	1910	f			1.08
120796	7	89 mm	LN220	472	1270	f			1.21
120796	7	89 mm	LN221	422	1030	m			1.37
120796	7	89 mm	LN222	458	1140	f			1.19
120796	7	89 mm	LN223	446	1010	m			1.14
120796	7	89 mm	LN224	414	920	m			1.30
120796	7	89 mm	LN225	518	1590	m			1.14
120796	7	89 mm	LN226	477	1360	f			1.25
120796	7	89 mm	LN227	439	940	f			1.11
120796	7	89 mm	LN228	554	1770	f			1.04
120796	7	89 mm	LN229	490	1500	m			1.27
120796	7	89 mm	LN230	468	1200	f			1.17

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition
							Fin	Otolith	Factor
120796	7	89 mm	LN231	398	730	m			1.16
120796	7	89 mm	LN232	440	1000	m			1.17
120796	7	89 mm	LN233	560	2030	f			1.16
120796	7	89 mm	LN234	404	930	m			1.41
120796	7	89 mm	LN235	450	1090	m			1.20
120796	7	89 mm	LN236	442	1170	m			1.35
120796	7	89 mm	LN237	412	820	f			1.17
120796	7	89 mm	LN238	394	720	m			1.18
120796	7	89 mm	LN239	415	940	m			1.32
120796	7	89 mm	LN240	378	650	m			1.20
120796	7	89 mm	LN241	465	1290	m			1.28
120796	7	89 mm	LN242	390	760	f			1.28
120796	7	89 mm	LN243	459	1170	f			1.21
120796	7	89 mm	LN244	380	720	f			1.31
120796	7	114 mm	LN245	411	880	m	10		1.27
120796	7	114 mm	LN246	503	1720		20		1.35
120796	7	114 mm	LN247	485	1420	m			1.24
120796	7	114 mm	LN248	529	1720	f	13		1.16
120796	7	114 mm	LN249		2140	f			
120796	7	114 mm	LN250	447	1210	m	10		1.35
120796	7	114 mm	LN251	482	1420	m			1.27
120796	7	114 mm	LN252	552	2310	m	18		1.37
120796	7	114 mm	LN253	499	1360	f			1.09
120796	7	114 mm	LN254	533	1730	f	13		1.14
120796	7	114 mm	LN255	462	1360	f			1.38
120796	7	114 mm	LN256	484	1210	f	11		1.07
120796	7	114 mm	LN257	552	2090	f			1.24
120796	7	114 mm	LN258	471	1490	m	12		1.43
120796	7	114 mm	LN259	501	1640	f			1.30
120796	7	114 mm	LN260	462	1340	m	14		1.36
120796	7	114 mm	LN261	445	1120	m			1.27
120796	7	114 mm	LN262	490	1440	m			1.22
120796	7	114 mm	LN263	455	1200	m			1.27
120796	7	114 mm	LN264	515	1800	m			1.17
120796	7	114 mm	LN265	445	1090	m			1.24
120796	7	114 mm	LN266	481	1380	m			1.24
120796	7	114 mm	LN267	445	1120	f			1.27
120796	7	114 mm	LN268	500	1540	f			1.23
120796	7	114 mm	LN269	538	1600	f			1.03
120796	7	114 mm	LN270	460	1120	m			1.15
120796	7	114 mm	LN271	500	1360	f			1.09
120796	7	114 mm	LN272	444	1120	m			1.28
120796	7	114 mm	LN273	413	970	f			1.38
120796	7	114 mm	LN274	475	1400	f			1.31
120796	7	114 mm	LN275	493	1370	f			1.14
120796	7	114 mm	LN276	476	1400	f			1.30
120796	7	114 mm	LN277	500	1480	m			1.18
120796	7	114 mm	LN278	504	1480	f			1.14
120796	7	114 mm	LN279	460	1000	m			1.03
120796	7	114 mm	LN280	473	1400	m			1.32

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
120796	7	114 mm	LN281	492	1470	m			1.23
120796	7	114 mm	LN282	461	1230	m			1.26
120796	7	114 mm	LN283	451	1180	m			1.29
120796	7	114 mm	LN284	516	1660	m			1.21
120796	7	114 mm	LN285	501	1560	m			1.24
120796	7	114 mm	LN286	514	1690	f			1.24
120796	7	114 mm	LN287	457	1250	m			1.31
120796	7	114 mm	LN288	470	1160	m			1.12
120796	7	114 mm	LN289	488	1400	f			1.20
120796	7	114 mm	LN290	397	870	m			1.39
120796	7	114 mm	LN291	473	1440	m			1.36
120796	7	114 mm	LN292	467	1380	m			1.35
120796	7	114 mm	LN293	500	1480	f			1.18
120796	7	133 mm	LN294	545	1980	m	17		1.22
120796	7	133 mm	LN295	554	1960	f	12		1.15
120796	7	133 mm	LN296	493	1430	m			1.19
120796	7	133 mm	LN297	564	2060	m	14		1.15
120796	7	133 mm	LN298	539	1840	f	12		1.18
120796	7	133 mm	LN299	499	1770	m	13		1.42
120796	7	133 mm	LN300	503	1620	m	16		1.27
120796	7	133 mm	LN301	503	1730				1.36
120796	7	133 mm	LN302	470	1400	m	12		1.35
120796	7	133 mm	LN303	518	1550	f	13		1.12
120796	7	133 mm	LN304	476	1480	f	14		1.37
120796	7	133 mm	LN305	469	1320	m	14		1.28
160796	8	89 mm	LN328	369	710	f			1.41
160796	8	89 mm	LN329	459	1340	m	14		1.39
160796	8	89 mm	LN330	375	690	m			1.31
160796	8	89 mm	LN331	430	870	m	9		1.09
160796	8	89 mm	LN332	473	1380	f			1.30
160796	8	89 mm	LN333	480	1650	f			1.49
160796	8	89 mm	LN334	447	1100	f			1.23
160796	8	89 mm	LN335	383	790	m	9		1.41
160796	8	89 mm	LN336	340	570	m			1.45
160796	8	89 mm	LN337	375	740	m	9		1.40
160796	8	89 mm	LN338	407	810	f			1.20
160796	8	89 mm	LN339	425	1070	f	9		1.39
160796	8	89 mm	LN340	403	700	m			1.07
160796	8	89 mm	LN341	363	610	f			1.28
160796	8	89 mm	LN342	409		f			
160796	8	89 mm	LN343	510	1630	m			1.23
160796	8	114 mm	LN344	470	1600	m			1.54
160796	8	114 mm	LN345	556	2140	m			1.25
160796	8	114 mm	LN346	528	1630		15		1.11
160796	8	114 mm	LN347	436	1010	m	14		1.22
160796	8	114 mm	LN348	396	870	m			1.40
160796	8	114 mm	LN349	409	710	m			1.04
160796	8	114 mm	LN350	571	2310	m	19		1.24
160796	8	114 mm	LN351	499	1460	m	16		1.18
160796	8	114 mm	LN352	442	1240	m	12		1.44

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
160796	8	114 mm	LN353	482	1470	m	16		1.31
160796	8	114 mm	LN354	473	1380	f	14		1.30
160796	8	114 mm	LN355	450	1340	f	8		1.47
160796	8	133 mm	LN356	495	1510	f	10		1.24
160796	8	133 mm	LN357	489	1580	m	15		1.35
160796	8	133 mm	LN358	466	1630	f	10		1.61
160796	8	133 mm	LN359	436	1110	m	12		1.34
160796	8	133 mm	LN360	470	1720	m	10		1.66
160796	8	133 mm	LN361	543	2250	f	14		1.41
160796	8	133 mm	LN362	535	1980	m			1.29
160796	8	133 mm	LN363	560	2310		16		1.32
170796	9	89 mm	LN364	408	860	f			1.27
170796	9	89 mm	LN365	382	660	m	8		1.18
170796	9	89 mm	LN366	490	1430	f			1.22
170796	9	89 mm	LN367	466	1140	f	14		1.13
170796	9	89 mm	LN368	364	620	m			1.29
170796	9	89 mm	LN369	450	1020	m			1.12
170796	9	89 mm	LN370	455	1220	m			1.30
170796	9	89 mm	LN371	464	1310	f	11		1.31
170796	9	89 mm	LN372			f			
170796	9	89 mm	LN373	418	940	m	9		1.29
170796	9	89 mm	LN374	388	680	m			1.16
170796	9	89 mm	LN375		1880	f	16		
170796	9	89 mm	LN376	395	880	m			1.43
170796	9	89 mm	LN377	534	1890	m			1.24
170796	9	89 mm	LN378	370	640	m			1.26
170796	9	89 mm	LN379	419	940	m			1.28
170796	9	89 mm	LN380	482	1460	m			1.30
170796	9	89 mm	LN381	472	1370	m			1.30
170796	9	89 mm	LN382	556	2120	f			1.23
170796	9	89 mm	LN383	488	1510	f			1.30
170796	9	89 mm	LN384	462	1270	m			1.29
170796	9	89 mm	LN385	566	1900	f			1.05
170796	9	89 mm	LN386	442	1100	m			1.27
170796	9	89 mm	LN387	429	920	m			1.17
170796	9	89 mm	LN388	374	680	m			1.30
170796	9	114 mm	LN389	445	1120	f	10		1.27
170796	9	114 mm	LN390	507	1440	f	11		1.10
170796	9	114 mm	LN391	547	1910	f	14		1.17
170796	9	114 mm	LN392	594	2500	f	16		1.19
170796	9	114 mm	LN393	447	1180	m	17		1.32
170796	9	114 mm	LN394	510	1850	m	14		1.39
170796	9	114 mm	LN395	487	1370	f	13		1.19
170796	9	114 mm	LN396	495	1430	m	19		1.18
170796	9	114 mm	LN397	509	1630	m	16		1.24
170796	9	114 mm	LN398	454	1100	f	10		1.18
170796	9	114 mm	LN399	439	1040	f	14		1.23
170796	9	114 mm	LN400	420	920	f	8		1.24
170796	9	114 mm	LN401	448	1200	f	9		1.33
170796	9	114 mm	LN402	470	1270	f	13		1.22

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
170796	9	114 mm	LN403	457	1300	m	13		1.36
170796	9	114 mm	LN404	469	1260	f	9		1.22
170796	9	114 mm	LN405	437	1010	m			1.21
170796	9	114 mm	LN406	418	1000	f			1.37
170796	9	114 mm	LN407	461	1270	m			1.30
170796	9	114 mm	LN408	459	1130	m			1.17
170796	9	114 mm	LN409	439	1190	f			1.41
170796	9	114 mm	LN410	465	1130	m			1.12
170796	9	133 mm	LN411	455	1290	f	9		1.37
170796	9	133 mm	LN412	455	1380	m	15		1.47
170796	9	133 mm	LN413	514	1730	m			1.27
170796	9	133 mm	LN414	536	1940	f	14		1.26
170796	9	133 mm	LN415	594	2560	f	16		1.22
170796	9	133 mm	LN416	559	2070	f	15		1.19
170796	9	133 mm	LN417	521	1820	m	15		1.29
170796	9	133 mm	LN418	550	1880	m			1.13
180796	10	89 mm	LN419	383	730	m	7		1.30
180796	10	89 mm	LN420	376	730	f	7		1.37
180796	10	89 mm	LN421	375	670	m	7		1.27
180796	10	89 mm	LN422	354	560	f	8		1.26
180796	10	89 mm	LN423	324	440	f			1.29
180796	10	89 mm	LN424	399	870	f	9		1.37
180796	10	89 mm	LN425	447	1020	m			1.14
180796	10	89 mm	LN426	429	1150	m			1.46
180796	10	114 mm	LN427	544	1940	m			1.21
180796	10	114 mm	LN428	474	1270	m	14		1.19
180796	10	114 mm	LN429	434	1050	m	12		1.28
180796	10	114 mm	LN430	434	1170	m			1.43
180796	10	114 mm	LN431	477	1570	m			1.45
180796	10	114 mm	LN432	451	1230	m	13		1.34
180796	10	133 mm	LN433	482	1480	m	14		1.32
180796	10	133 mm	LN434	482	1740	m	9		1.55
180796	10	133 mm	LN435	460	1600	f	14		1.64
190796	11	89 mm	LN436	540	2080	m			1.31
190796	11	114 mm	LN437	463	1290	m	13		1.30
190796	11	114 mm	LN438	528	1970	m			1.34
190796	11	114 mm	LN439	465	1270	f	13		1.26
070896	12	133 mm	LN440	559	2120	f	14		1.21
070896	12	133 mm	LN441	467	1360	f	10		1.34
070896	12	133 mm	LN442	446	1350	m	11		1.52
070896	12	133 mm	LN443	591	2560	m	19		1.24
070896	12	133 mm	LN444	579	2410	f			1.24
070896	12	133 mm	LN445	486	1800	m	15		1.39
070896	12	133 mm	LN446	551	1840	f	15		1.10
070896	12	89 mm	LN447	555	2140	f	14		1.25
070896	12	89 mm	LN448	480	1340	m			1.21
070896	12	89 mm	LN449	461	1300	f			1.33
070896	12	89 mm	LN450	415	990	m			1.39
070896	12	89 mm	LN451	382	860	m			1.54
070896	12	114 mm	LN452	531	1940	m			1.30

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
070896	12	114 mm	LN453	514	1920	f	15		1.41
070896	12	114 mm	LN454	462	1140	f			1.16
070896	12	114 mm	LN455	468	1460	m	14		1.42
070896	12	114 mm	LN456	464	1370	m	16		1.37
080896	13	89 mm	LN457	364	600	f	7		1.24
080896	13	89 mm	LN458	352	620	m			1.42
080896	13	89 mm	LN459	423	1120	m			1.48
080896	13	89 mm	LN460	402	780	f			1.20
080896	13	89 mm	LN461	462	1420	m	15		1.44
080896	13	89 mm	LN462	484	1760	f			1.55
080896	13	89 mm	LN463	504	1950	m			1.52
080896	13	114 mm	LN464	496	1510	f			1.24
080896	13	114 mm	LN465	597	2890	f			1.36
080896	13	133 mm	LN466	512	1820	m	13		1.36
080896	13	133 mm	LN467	516	1970	f	14		1.43
080896	13	133 mm	LN468	459	1310	m	13		1.35
080896	13	133 mm	LN469	551	2230	f	14		1.33
080896	13	133 mm	LN470	615	2830	f			1.22
080896	13	133 mm	LN471	535	2140	f	14		1.40
090896	14	89 mm	LN472	617	3030	f	14		1.29
090896	14	89 mm	LN473	542	2150	f			1.35
090896	14	89 mm	LN474	475	1410	f			1.32
090896	14	89 mm	LN475	398	710	f			1.13
090896	14	89 mm	LN476	484	1460	f	10		1.29
090896	14	89 mm	LN477	390	870	m			1.47
090896	14	114 mm	LN478	579	2660	f	16		1.37
090896	14	114 mm	LN479	475	1560	f	12		1.46
090896	14	114 mm	LN480	424	1120	m	12		1.47
090896	14	114 mm	LN481	445	1130	f	10		1.28
090896	14	114 mm	LN482	395	1000	m	12		1.62
090896	14	114 mm	LN483	496	1890	f	14		1.55
090896	14	114 mm	LN484	469	1370	m	15		1.33
090896	14	114 mm	LN485	459	1390	m	11		1.44
090896	14	114 mm	LN486	462	1350	f	11		1.37
090896	14	114 mm	LN487	455	1150	f	11		1.22
090896	14	114 mm	LN488	495	1665	m			1.37
090896	14	133 mm	LN489	496	1460	f	12		1.20
090896	14	133 mm	LN490	490	1500	m	16		1.27
090896	14	133 mm	LN491	516	1720	f			1.25
090896	14	133 mm	LN492	484	1470	f	10		1.30
090896	14	133 mm	LN493	491	1610	f	15		1.36
090896	14	133 mm	LN494	490	1700	f	12		1.44
140896	15	89 mm	LN495	470	1400	f			1.35
140896	15	89 mm	LN496	495	1490	m	17		1.23
140896	15	89 mm	LN497	488	1340	f			1.15
140896	15	89 mm	LN498	386	640	m			1.11
140896	15	89 mm	LN499	467	1240	m			1.22
140896	15	89 mm	LN500	350	560	m	8		1.31
140896	15	89 mm	LN501	430	990				1.25
140896	15	89 mm	LN502	333	480				1.30

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
140896	15	89 mm	LN503	595	2250	f			1.07
140896	15	89 mm	LN504	490	1450	m	15		1.23
140896	15	89 mm	LN505	476	1360	f			1.26
140896	15	89 mm	LN506	417	920	m			1.27
140896	15	89 mm	LN507	448	1170	m			1.30
140896	15	89 mm	LN508	445	1000		8		1.13
140896	15	89 mm	LN509	404	840	m			1.27
140896	15	89 mm	LN510	460	1110	m	11		1.14
140896	15	89 mm	LN511	387	710	m			1.22
140896	15	89 mm	LN512	544	1820	f	11		1.13
140896	15	89 mm	LN513	527	1910	m			1.30
140896	15	89 mm	LN514	396	830	f			1.34
140896	15	89 mm	LN515	448	1000	f			1.11
140896	15	114 mm	LN516	505	1590	m			1.23
140896	15	114 mm	LN517	487	1400	m	11		1.21
140896	15	114 mm	LN518	475	1160	f	11		1.08
140896	15	114 mm	LN519	437	1070				1.28
140896	15	114 mm	LN520	534	2110	f	13		1.39
140896	15	114 mm	LN521	423	960	m			1.27
140896	15	114 mm	LN522	488	1580	f	11		1.36
140896	15	114 mm	LN523	500	1610	m			1.29
140896	15	114 mm	LN524	388	910	m	14		1.56
140896	15	114 mm	LN525	388	870				1.49
140896	15	114 mm	LN526	500	1580	f	10		1.26
140896	15	114 mm	LN527	494	1500	m	14		1.24
140896	15	114 mm	LN528	477	1400	m			1.29
140896	15	133 mm	LN529	527	2060	m			1.41
140896	15	133 mm	LN530	482	1550	m	12		1.38
140896	15	133 mm	LN531	514	1810	m	18		1.33
140896	15	133 mm	LN532	561	2010	f	12		1.14
140896	15	133 mm	LN533	528	2080	m			1.41
140896	15	133 mm	LN534	495	1430	f	11		1.18
140896	15	133 mm	LN535	602	2660	f	19		1.22
140896	15	133 mm	LN536	567	2250	f	14		1.23
150896	16	89 mm	LN537	360	690	m			1.48
150896	16	89 mm	LN538	363	580	m	6		1.21
150896	16	89 mm	LN539	366	600	f			1.22
150896	16	89 mm	LN540	436	1080	m	14		1.30
150896	16	89 mm	LN541	509	1700	f			1.29
150896	16	114 mm	LN542	490	1430	f	13		1.22
150896	16	114 mm	LN543	480	1390	m	13		1.43
150896	16	114 mm	LN544	488	1470	m	14		1.26
150896	16	114 mm	LN545	414	940	f	9		1.32
150896	16	114 mm	LN546	455	1200	f	12		1.27
150896	16	133 mm	LN547	462	1180	m			1.20
150896	16	133 mm	LN548	489	1470	f			1.26
160896	17	89 mm	LN549	355	510	f			1.14
160896	17	89 mm	LN550	418	840	f	8		1.15
160896	17	89 mm	LN551	358	560	m			1.22
160896	17	89 mm	LN552	343	550	m	5		1.36

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
160896	17	89 mm	LN553	420	890	f			1.20
160896	17	89 mm	LN554	408	780	m	10		1.15
160896	17	114 mm	LN555	481	1530	m			1.37
160896	17	114 mm	LN556	500	1690	m	16		1.35
160896	17	133 mm	LN557	450	1410	m	12		1.55
230896	19	89 mm	LN573	430	920	f	9		1.16
230896	19	89 mm	LN574	424	1020	m	9		1.34

NORTHERN PIKE (*Esox lucius*)

250696	1	114 mm	NP001	687	2173	m	8		0.67
250696	1	114 mm	NP002	620	1909	m	7		0.80
260696	1	89 mm	NP003	506	1055	m			0.81
260696	1	89 mm	NP004	544	1055	m	6		0.66
260696	1	89 mm	NP005	555	1200	m			0.70
260696	1	89 mm	NP006	484	745	m	5		0.66
260696	1	89 mm	NP007	553	1155	m	7		0.68
260696	1	89 mm	NP008	595	1209	f			0.57
260696	1	89 mm	NP009	564	1400	m			0.78
260696	1	89 mm	NP010	715	2755	m	10		0.75
260696	1	89 mm	NP011	687	2473	m	9		0.76
260696	1	89 mm	NP012	536	1191	m			0.77
260696	1	89 mm	NP013	586	1436	m	8		0.71
260696	1	89 mm	NP014	500	909	m	7		0.73
260696	1	89 mm	NP015	580	1682	m	12		0.86
260696	1	89 mm	NP016	476	791	m	5		0.73
260696	1	89 mm	NP017	480	609	m	5		0.55
260696	1	89 mm	NP018	613	1864	m	7		0.81
260696	1	89 mm	NP019	483	809	m	8		0.72
260696	1	89 mm	NP020	541	1127	m	9		0.71
260696	1	89 mm	NP021	575	1273	m	8		0.67
260696	1	89 mm	NP022	505	945	f	7		0.73
260696	1	89 mm	NP023	608	1509	m	9		0.67
260696	1	89 mm	NP024	611	1627	m	8		0.71
260696	1	89 mm	NP025	552	1182	m			0.70
260696	1	89 mm	NP026	508	991	m	5		0.76
260696	1	114 mm	NP027	704	2527	f	9		0.72
260696	1	114 mm	NP028	685	2327	m	8		0.72
260696	1	114 mm	NP029	627	1909	m	12		0.77
260696	1	114 mm	NP030	849	4655	m	13		0.76
260696	1	114 mm	NP031	684	2182	f	8		0.68
260696	1	114 mm	NP032	679	2436	f	8		0.78
260696	1	114 mm	NP033	595	1509	m	9		0.72
260696	1	114 mm	NP034	660	2455	m	15		0.85
260896	1	114 mm	NP035	670	2036	m	10		0.68
270696	1	89 mm	NP036	540	1110	m	8		0.70
270696	1	89 mm	NP037	500	950	m	6		0.76
270696	1	89 mm	NP038	655	2500	m	11		0.89
270696	1	89 mm	NP039	470	720	m	4		0.69
270696	1	89 mm	NP040	602	1690	m	6		0.77

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
270696	1	89 mm	NPO41	615	1690	m	7		0.73
270696	1	89 mm	NPO42	560	1170	m	8		0.67
270696	1	89 mm	NPO43	532	1090	m	7		0.72
270696	1	89 mm	NPO44	532	1090		7		0.72
270696	1	89 mm	NPO45	549	1100	m	8		0.66
270696	1	89 mm	NPO46	492	880	m			0.74
270696	1	89 mm	NPO47	584	1270	m			0.64
270696	1	89 mm	NPO48	510	940	m			0.71
270696	1	89 mm	NPO49	557	1180	m			0.68
270696	1	89 mm	NPO50	575	1200	f	6		0.63
270696	1	114 mm	NPO51	646	1800	m	9		0.67
270696	1	114 mm	NPO52	751	2920	m	8		0.69
270696	1	114 mm	NPO53	662	2070	m	11		0.71
280696	1	89 mm	NPO54	565	1320	m	6		0.73
280696	1	89 mm	NPO55	517	980	f			0.71
280696	1	89 mm	NPO56	632	1580	m	6		0.63
280696	1	89 mm	NPO57	629	1950	m	8		0.78
280696	1	89 mm	NPO58	535	1220	m	8		0.80
280696	1	89 mm	NPO59	623	2130	m	7		0.88
280696	1	133 mm	NPO60	643	2110	m	8		0.79
040796	2	133 mm	NPO61	748	3280		12		0.78
050796	3	114 mm	NPO62	698	2270		9		0.67
160796	8	89 mm	NPO63	606	1530		8		0.69
160796	8	114 mm	NPO64	589	1520		8		0.74
150896	16	89 mm	NPO65	509	970				0.74
150896	16	89 mm	NPO66	610	1820		10		0.80
150896	16	114 mm	NPO67	705	2750		8		0.78
150896	16	114 mm	NPO68	644	1930	f	9		0.72
150896	16	133 mm	NPO69	739	3510				0.87
160896	17	89 mm	NPO70	633	1970	f	9		0.78
160896	17	89 mm	NPO71	491	880	m	7		0.74
160896	17	89 mm	NPO72	550	1350	m			0.81
160896	17	89 mm	NPO73	574	1300	f	7		0.69
160896	17	89 mm	NPO74	601	1700	f	8		0.78
160896	17	89 mm	NPO75	578	1410	f	8		0.73
160896	17	114 mm	NPO76	591	1460		6		0.71
160896	17	114 mm	NPO77	710	2380	f	6		0.66
160896	17	133 mm	NPO78	637	1750		11		0.68
230896	19	89 mm	NPO86	505	835	f	6		0.65
230896	19	89 mm	NPO87	545	2080	f	5		1.28
230896	19	89 mm	NPO88	552	1310	f	4		0.78
230896	19	89 mm	NPO89	657	2230	f	10		0.79

WALLEYE (*Stizostedion vitreum*)

260696	1	89 mm	YW001	399	609	m			0.96
270696	1	114 mm	YW002	448	1050	f			1.17
150896	16	89 mm	YW003	423	830				1.10
150896	16	89 mm	YW004	411	870				1.25
150896	16	89 mm	YW005	356	550				1.22

Appendix 4. Continued.

Date (ddmmyy)	Site #	Gillnet Mesh	Sample Number	Fork length (mm)	Round Weight (g)	Sex	Fish age (y)		Condition Factor
							Fin	Otolith	
150896	16	89 mm	YW006	328	500				1.42
160896	17	89 mm	YW007	354	500				1.13
230896	19	89 mm	YW008	373	550	m			1.06
230896	19	89 mm	YW009	411	890	m			1.28
230896	19	89 mm	YW010	395	730				1.18
230896	19	89 mm	YW011	383	640				1.14
230896	19	89 mm	YW012	469	1250				1.21
230896	19	89 mm	YW013	377	660				1.23
230896	19	89 mm	YW014	415	730				1.02